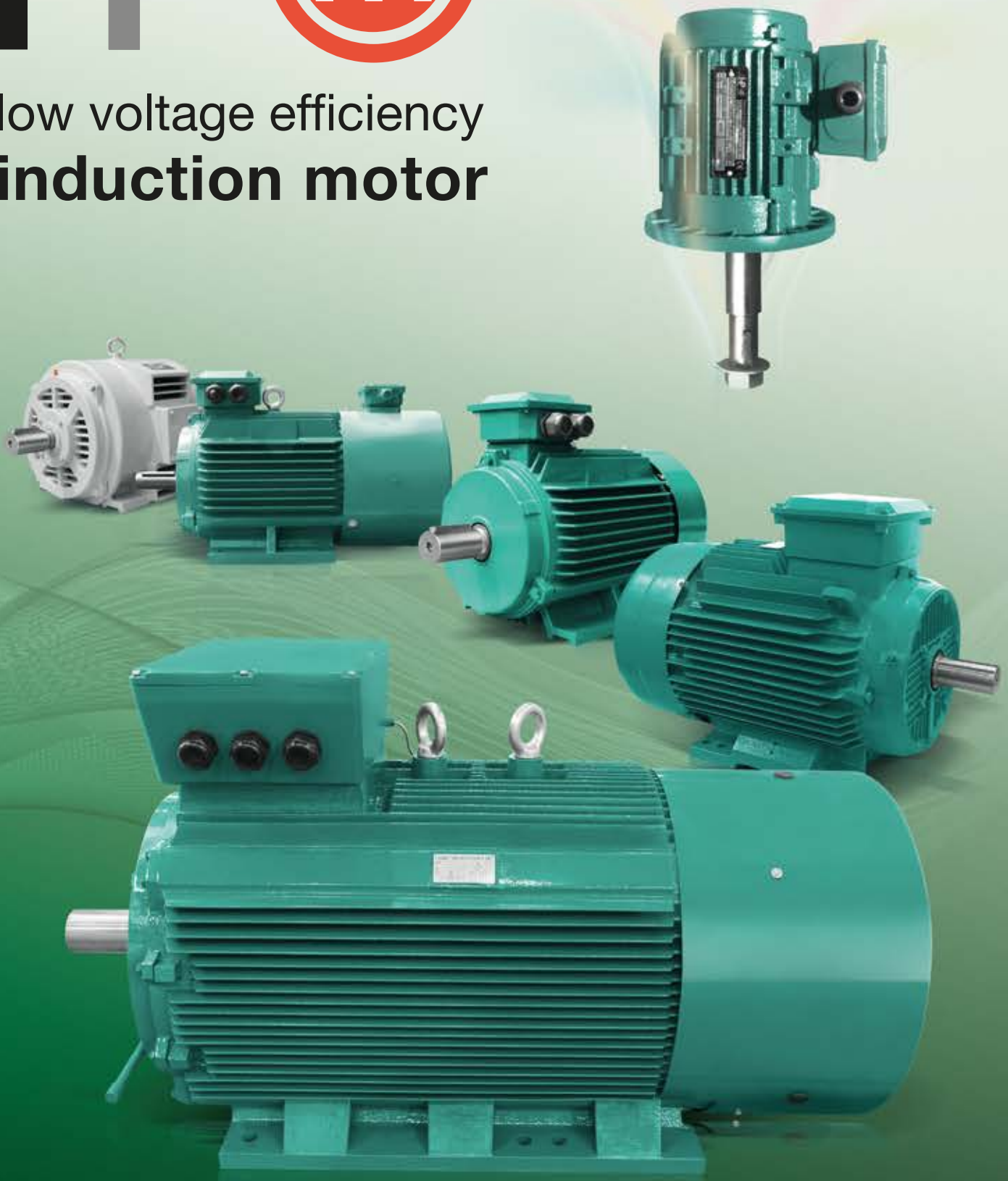




low voltage efficiency
induction motor



“Power with quality for a better works”

Scope of Products Line

HPM performance motors made of high quality materials are best suited for any practically applications with being reliable, efficient and cost effective. With optimised construction design, they can ensure the requirement of structure rigidity and intensity. Silicon steel plate is used in stator core and rotor core, it has good insulation on surface, low loss which ensures the higher efficiency. High quality insulation material combines the perfect insulation system which makes the insulation completely without clearance, high rigidity of the winding end, it can endure switching and reversing intensity, F class insulation makes the motor with higher heat stability and longer life. Routine test and type test according with the international standard is provided to ensure the quality of the products.



Material Preparation



Production



Testing & Design

Scope of Products Line

YE3 series premium efficiency (IE3) induction motor	9
YE2 series high efficiency (IE2) induction motor	17
Y2J series low-voltage big power induction motor	25
CM2 series general efficiency (IE1/EFF2) induction motor	32
YVF series inverter duty induction motor	34
CT series cooling tower induction motor	35
SAC series air compressor induction motor	37



All production units are certified to ISO9001 international quality standard as well ISO14000 environment standard.

General technical specification

standards

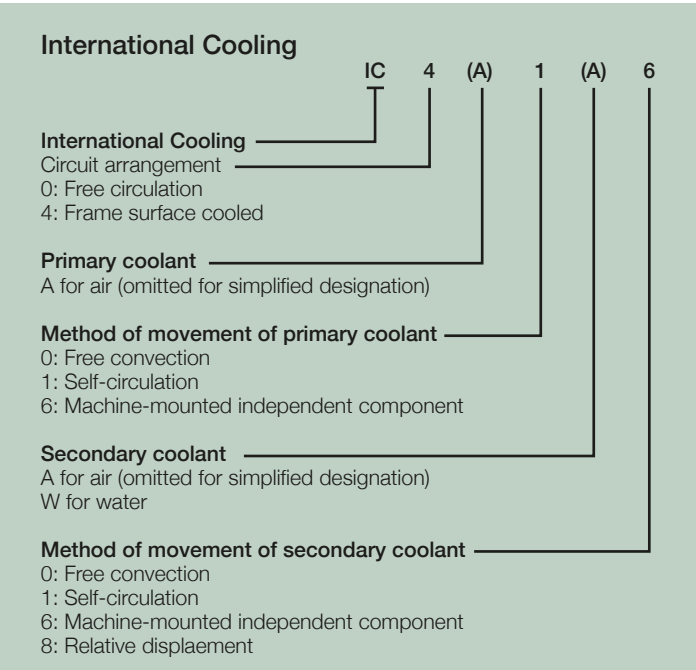
HPm motors are of the totally enclosed and open drip proof, three phase squirrel cage type, built to comply with international IEC and EN standards.

All production units are certified to ISO9001 international quality standard as well as ISO14000 environmental standard.

HPm motors are manufactured to the international standards listed below	
Performance	IEC 60034-1
Dimensions	IEC 60072-1
Mounting	IEC 60034-7
Enclosure	IEC 60034-5
Vibration	IEC 60034-14(grade N)
Noise	IEC 60034-9

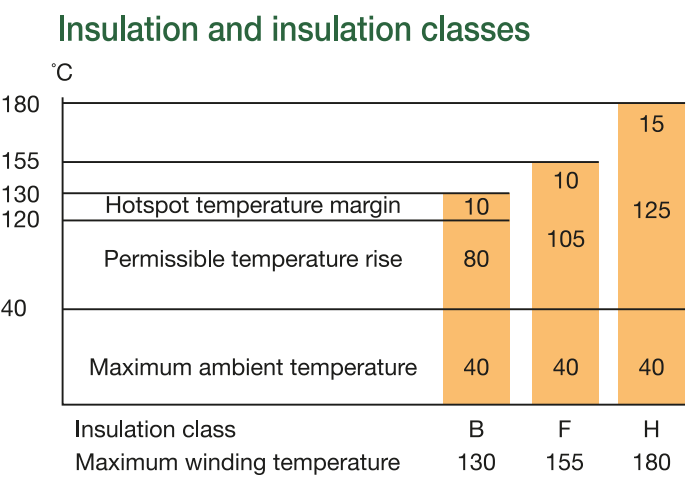
Cooling

Designation system concerning methods of cooling refers to standard IEC 60034-6.



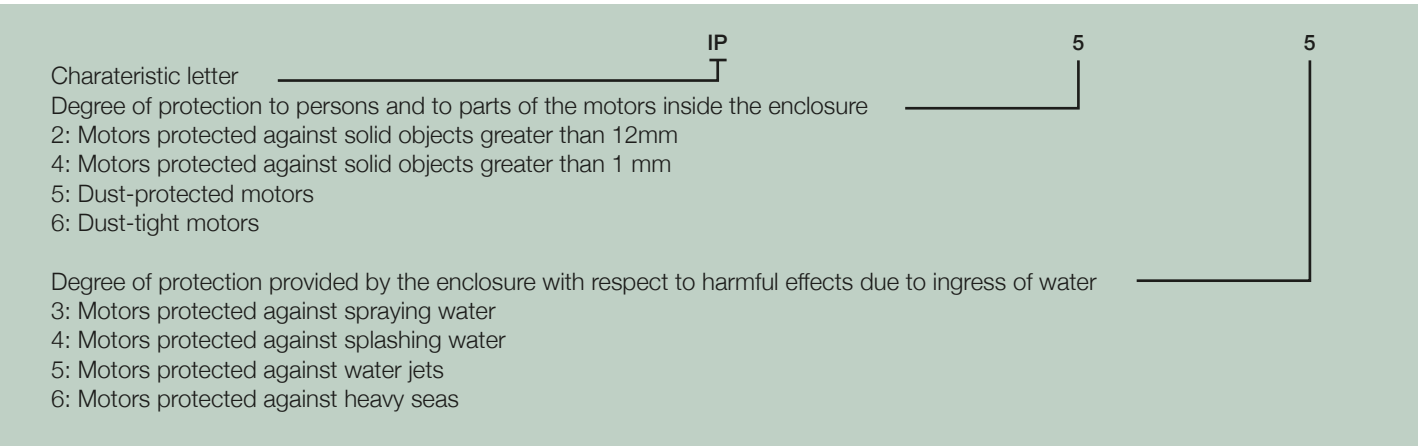
Insulation

HPM motors use class F insulation systems with temperature rise class B, which can have 25°C safety margin. That can be used to increase the loading by up to 12 percents for limited periods, to operate at higher ambient temperatures of attitudes, or to use with greater voltage and frequency tolerances.



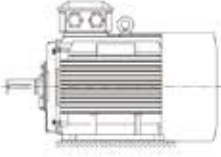
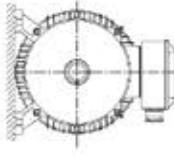
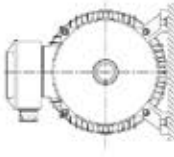
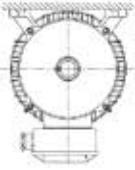
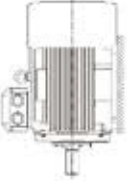
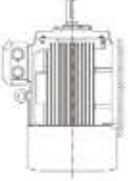
Degrees of protection: IP code

Classification of degrees of protection provided by enclosures of rotating machines are refers to:
- Standard IEC 60034-5 or EN 60529 for IP code

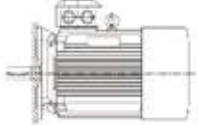


Mounting arrangements

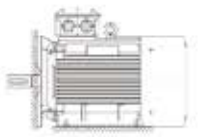
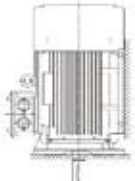
B3

IM B3 80-560		IM B6 80-160		IM B7 80-160	
IM B8 80-160		IM V5 80-160		IM V6 80-160	

B5

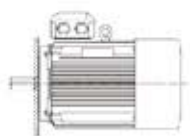
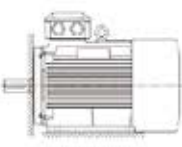
IM B35 80-280		IM V1 80-560		IM V3 80-160	
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B35

IM B35 80-560		IM V15 80-160		IM V36 80-160	
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B14

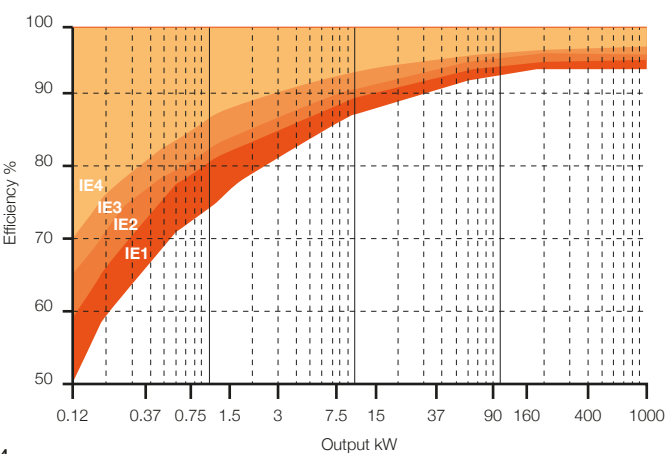
B34

IM B14 80-112		IM V18 80-112		IM B34 80-112	
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efficiency standards

HPM motors determines efficiency value according to IEC 60034-30-1:2014. The standard defines four international efficiency classes (IE) for single-speed electric motors that are rated according to IEC 60034-1 or IEC 60079-0, for operation on a sinusoidal voltage supply. This standard establishes a set of limit efficiency values based on frequency, number of poles and motor power.

IE efficiency classes for 4 pole motors at 50 Hz



Minimum 50 Hz efficiency values defined in IEC 60034-30-1:2014

Output kW	IE1				IE2				IE3				IE4			
	2 pole	4 pole	6 pole	8 pole	2 pole	4 pole	6 pole	8 pole	2 pole	4 pole	6 pole	8 pole	2 pole	4 pole	6 pole	8 pole
0.75	72.1	72.1	70.0	61.2	77.4	79.6	75.9	66.2	80.7	82.5	78.9	75.0	83.5	85.7	82.7	78.4
1.1	75.0	75.0	72.9	66.5	79.6	81.4	78.1	70.8	82.7	84.1	81.0	77.7	85.2	87.2	84.5	80.8
1.5	77.2	77.2	75.2	70.2	81.3	82.8	79.8	74.1	84.2	85.3	82.5	79.7	86.5	88.2	85.9	82.6
2.2	79.7	79.7	77.7	74.2	83.2	84.3	81.8	77.6	85.9	86.7	84.3	81.9	88.0	89.5	87.4	84.5
3	81.5	81.5	79.7	77.0	84.6	85.5	83.3	80.0	87.1	87.7	85.6	83.5	89.1	90.4	88.6	85.9
4	83.1	83.1	81.4	79.2	85.8	86.6	84.6	81.9	88.1	88.6	86.8	84.8	90.0	91.1	89.5	87.1
5.5	84.7	84.7	83.1	81.4	87.0	87.7	86.0	83.8	89.2	89.6	88.0	86.2	90.9	91.9	90.5	88.3
7.5	86.0	86.0	84.7	83.1	88.1	88.7	87.2	85.3	90.1	90.4	89.1	87.3	91.7	92.6	91.3	89.3
11	87.6	87.6	86.4	85.0	89.4	89.8	88.7	86.9	91.2	91.4	90.3	88.6	92.6	93.3	92.3	90.4
15	88.7	88.7	87.7	86.2	90.3	90.6	89.7	88.0	91.9	92.1	91.2	89.6	93.3	93.9	92.9	91.2
18.5	89.3	89.3	88.6	86.9	90.9	91.2	90.4	88.6	92.4	92.6	91.7	90.1	93.7	94.2	93.4	91.7
22	89.9	89.9	89.2	87.4	91.3	91.6	90.9	89.1	92.7	93.0	92.2	90.6	94.0	94.5	93.7	92.1
30	90.7	90.7	90.2	88.3	92.0	92.3	91.7	89.8	93.3	93.6	92.9	91.3	94.5	94.9	94.2	92.7
37	91.2	91.2	90.8	88.8	92.5	92.7	92.2	90.3	93.7	93.9	93.3	91.8	94.8	95.2	94.5	93.1
45	91.7	91.7	91.4	89.2	92.9	93.1	92.7	90.7	94.0	94.2	93.7	92.2	95.0	95.4	94.8	93.4
55	92.1	92.1	91.9	89.7	93.2	93.5	93.1	91.0	94.3	94.6	94.1	92.5	95.3	95.7	95.1	93.7
75	92.7	92.7	92.6	90.3	93.8	94.0	93.7	91.6	94.7	95.0	94.6	93.1	95.6	96.0	95.4	94.2
90	93.0	93.0	92.9	90.7	94.1	94.2	94.0	91.9	95.0	95.2	94.9	93.4	95.8	96.1	95.6	94.4
110	93.3	93.3	93.3	91.1	94.3	94.5	94.3	92.3	95.2	95.4	95.1	93.7	96.0	96.3	95.8	95.1
132	93.5	93.5	93.5	91.5	94.6	94.7	94.6	92.6	95.4	95.6	95.4	94.0	96.2	96.4	96.0	94.9
160	93.8	93.8	93.8	91.9	94.8	94.9	94.8	93.0	95.6	95.8	95.6	94.3	96.3	96.6	96.2	95.1
200	94.0	94.0	94.0	92.5	95.0	95.1	95.0	93.5	95.8	96.0	95.8	94.6	96.5	96.7	96.3	95.4
250	94.0	94.0	94.0	92.5	95.0	95.1	95.0	93.5	95.8	96.0	95.8	94.6	96.5	96.7	96.5	95.4
315	94.0	94.0	94.0	92.5	95.0	95.1	95.0	93.5	95.8	96.0	95.8	94.6	96.5	96.7	96.6	95.4
355-1000	94.0	94.0	94.0	92.5	95.0	95.1	95.0	93.5	95.8	96.0	95.8	94.6	96.5	96.7	96.6	95.4

Calculation for estimated power consumption and electricity saving

(E) energy consumption = kw(in) x hr
$$\text{kw (in)} = \frac{\text{kw(out)} \times \text{d.p.}}{n}$$

(C) Electricity cost = (E) x Pr.

E = estimated energy consumption, kw.h
C = estimated electricity cost, THB
kw(in) = Input power, kw
kw(out) = Output power, kw
d.p. = duty point, %
n = efficiency, %
hr = Time used per year, hours
Pr = electricity unit price, THB/kw.h

SAMPLE for Calcutlation

TYPE	Output Power (kw)	Efficiency (n%)	Amount running hours (hr)	Amount Power Consumption (kw.h)	Electricity Unit Price (THB/kw.h)	Amount Eclectricity Cost (THB)	Amount Electricity Cost Saving (THB)
YE3-315L2-4	200	96%	6,000	1,000,000	3	3,000,000	63,830
YE2-315L2-4	200	95%	6,000	1,009,464	3	3,028,391	35,439
CM2-315L2-4	200	94%	6,000	1,021,277	3	3,063,830	0

Bearing Selection

Frame	Drive End		Non Drive End	
	2 Poles	4 Poles and Above	2 Poles	4 Poles and Above
80	6204-2Z/Z2		6204-2Z/Z2	
90	6205-2Z/Z2		6205-2Z/Z2	
100	6206-2Z/Z2		6206-2Z/Z2	
112	6206-2Z/Z2		6206-2Z/Z2	
132	6208-2Z/Z2		6208-2Z/Z2	
160	6309/C3		6309/C3	
180	6311/C3		6311/C3	
200	6312/C3		6312/C3	
225	6312/C3	6313/C3	6312/C3	
250	6314/C3		6313/Z1	
280	6314/C3	6317/C3	6314/C3	
315	6317/C3	6319/C3	6317/C3	6319/C3
355	6319/C3	6322/C3	6319/C3	6322/C3
400	6317/C3	6326/C3(NU326)	6317/C3	6326/C3
450	6220/C3	6328/C3(NU328)	6220/C3	6328/C3
500	-	6330/C3(NU330)	-	6330/C3
560		6334/C3(NU334)		6334/C3

Frame	V1			
	Drive End		Non Drive End	
	2 Poles	4 Poles and Above	2 Poles	4 Poles and Above
355	-	6322/C3(NU322)	-	7322/C3
400	-	6326/C3(NU326)	-	7326/C3
450	-	6328/C3(NU328)	-	7328/C3
500	-	6330/C3(NU330)	-	7330/C3
560	-	6334/C3(NU334)	-	7334/C3

Motor Terminal Box with Cable Gland

Frame	Caole Gland (Qty-Size)
80-90	1-M20x15
100-112	2-M20x15
132	2-M25x15
160-180	2-M40x15
220-225	2-M50x15
250-315	2-M63x15
355	2-M63x15
400	7-M63x15
450	7-M63x15
500	7-M63x15
560	7-M63x15

Motor Noise

Height	No load Lwa (dB)		
H	2 Poles	4 Poles	6 Poles
80	67	58	54
90	78	66	63
100	82	70	64
112	83	72	70
132	85	75	73
160	87	77	73
180	88	80	77
200	90	83	80
225	92	84	80
250	92	85	82
280	94	88	85
315	98	94	89
355	100	95	94
400	100	96	95
450	100	98	98
500	-	99	98
560	-	100	99

YE3/YE2

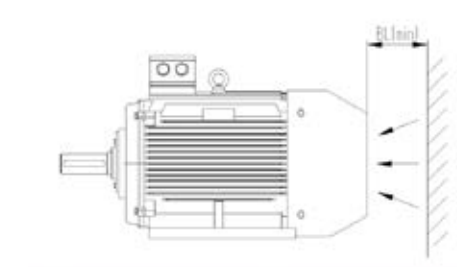
Motors frame size, Rated output, and Speed

Frame size	Synchronous Speed (r/min)		
	3000	1500	1000
	Rated Power (KW)		
80M1	0.75	0.55	0.37
80M2	1.1	0.75	0.55
90S	1.5	1.1	0.75
90L	2.2	1.5	1.1
100L1	3	2.2	1.5
100L2		3	
112M	4	4	2.2
132S1	5.5	5.5	3
132S2	7.5		
132M1	--	7.5	4
132M2			5.5
160M1	11	11	7.5
160M2	15		
160L	18.5	15	11
180M	22	18.5	--
180L	--	22	15
200L1	30	30	18.5
200L2	37		22
225S	--	37	--
225M	45	45	30
250M	55	55	37
280S	75	75	45
280M	90	90	55
315S	110	110	75
315M	132	132	90
315L1	160	160	110
315L2	200	200	132
355M1	250	250	160
355M2			200
355L	315	315	250
355L1	355	355	280
355L2	375	375	315

Motor usage power convert, under different amb., different altitude

amb (°C)	usage factor after conversion	altitude (m)	usage factor after conversion
30	1.06	1000	1.00
35	1.03	1500	0.98
40	1.00	2000	0.94
45	0.97	2500	0.91
50	0.93	3000	0.87
55	0.88	3500	0.82
60	0.82	4000	0.77

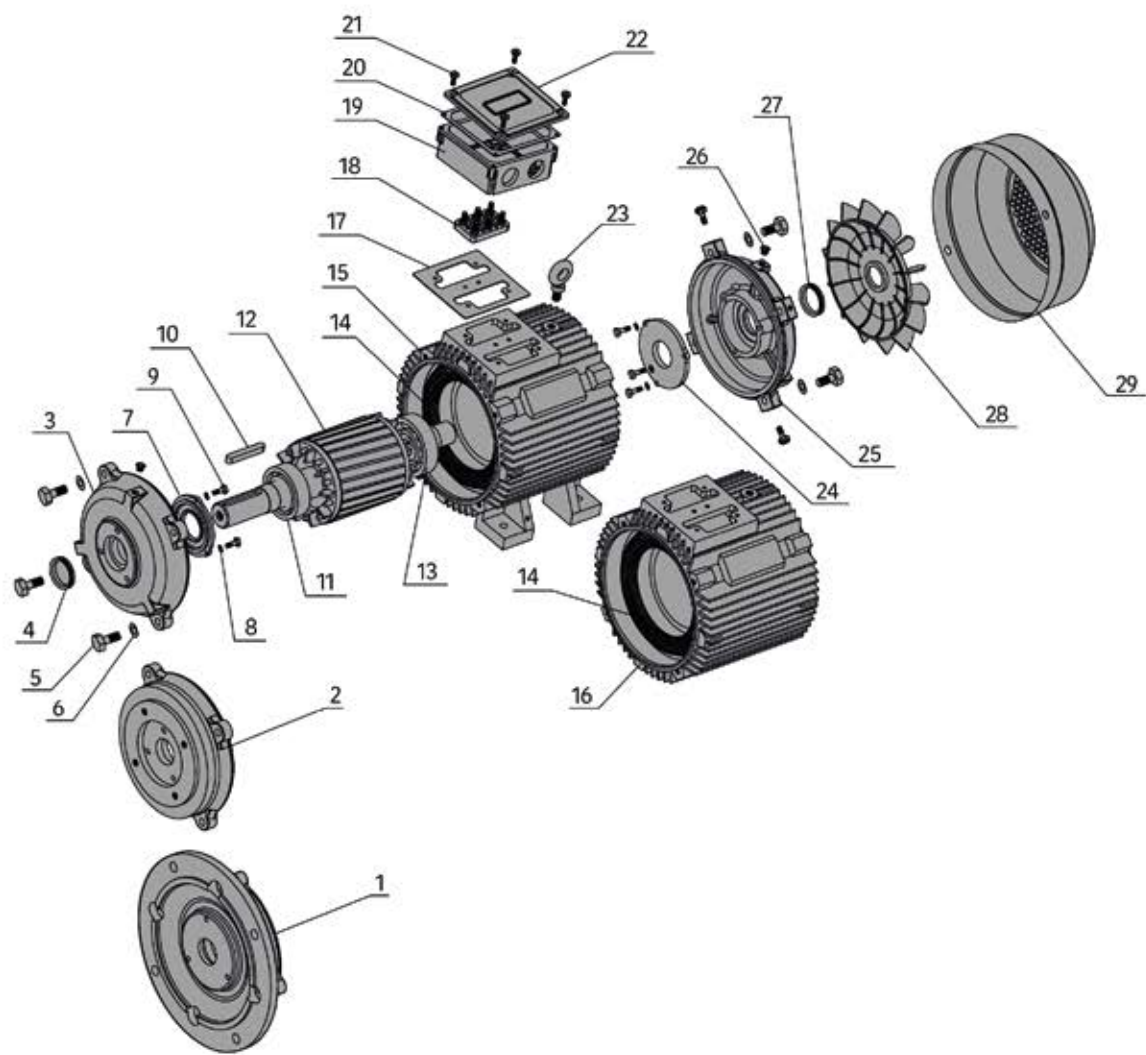
Eg : For rated power 22kw motor under amb 50°C, altitude 2500m, the actual motor power for using is : 22X0.93X0.91=18.6kw



Motor installation distance

Frame	BL (mm)
80 ~ 100	15
112 ~ 132	30
160 ~ 180	40
200 ~ 280	50
315 ~ 355	65

Exploded View

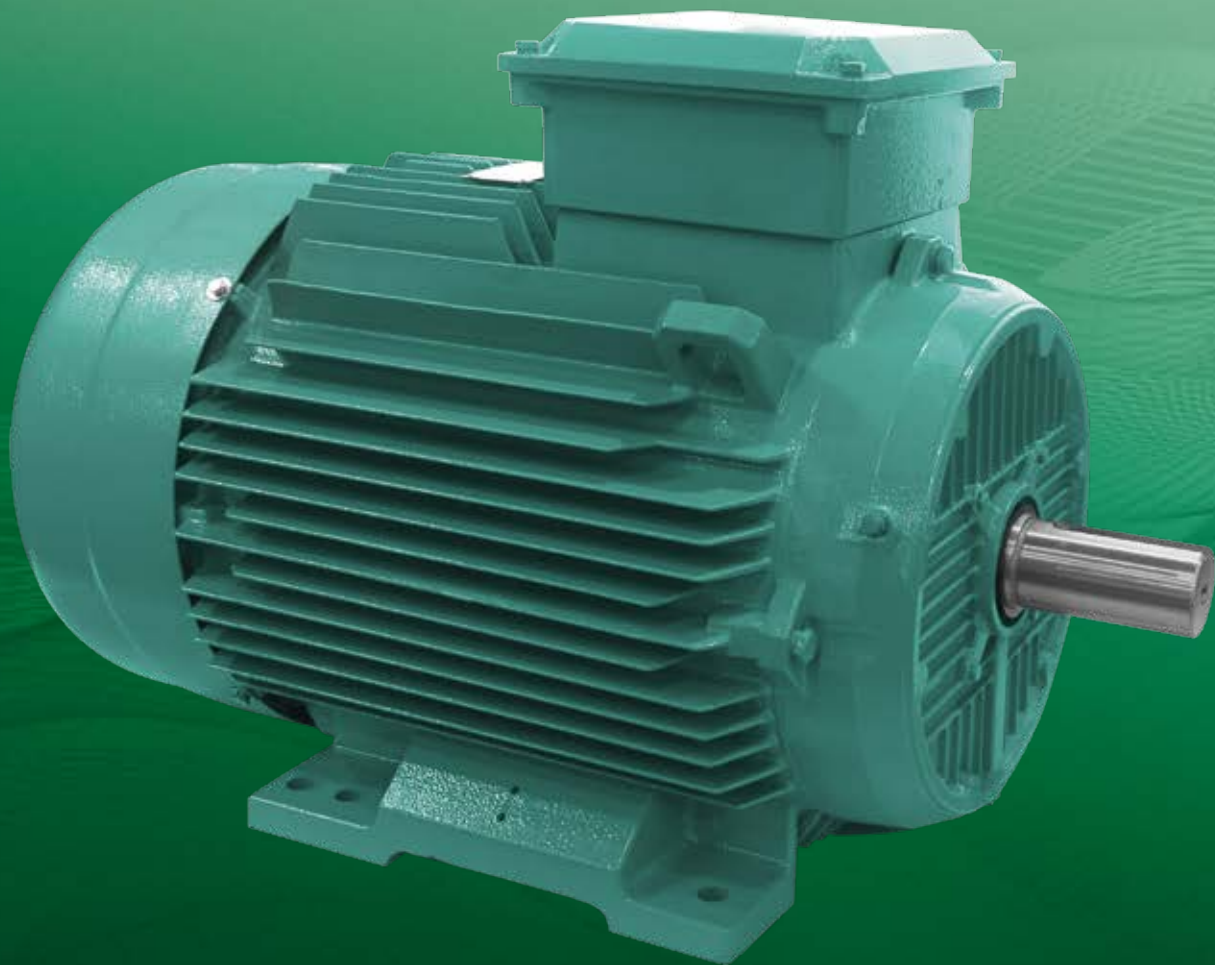
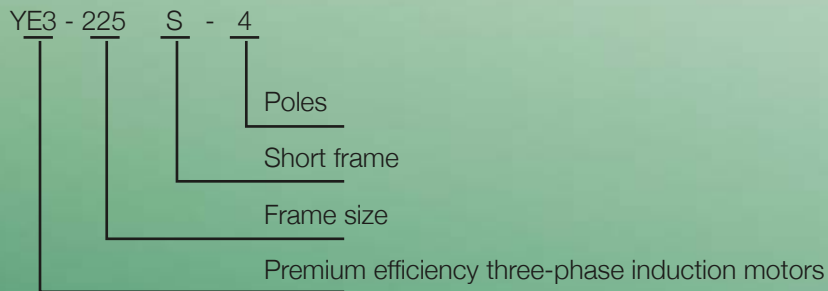


Pos.	Parts name	Pos.	Parts name
1	B5 flange	16	B4/B14 stator frame
2	B14 flange	17	Gasket
3	Front end shield	18	Terminal plate
4	V-seal	19	Terminal box base
5	Hex bolt	20	Gasket
6	Spring washer	21	Screw
7	Front bearing cover	22	Terminal box cover
8	Spring washer	23	Lifting bolt
9	Hex bolt	24	Rear bearing cover
10	Key	25	Rear end shield
11	Ball bearing (Drive end)	26	Grease nipple
12	Electric rotor	27	V-seal
13	Ball bearing (Non-drive end)	28	Fan
14	Stator stack	29	Fan cover
15	B3 stator frame		

YE3 series premium efficiency (IE3) induction motor

Brief introduction

YE3 series premium efficiency induction motor are energy saving products, which are designed in accordance with energy efficiency requirement under IEC 60034-30 standards. This series motors with a new lamination design, applied with high permeability cold-rolled silicon steel and oxygen-free copper wire, also the new design to reduce stray loss of winding. Motors with nice appearance, high efficient, class F grade insulation, IP55 protection, low electrical noise, small vibration, reliable operation, IC411 cooling method, and all the installation size and efficiency class are in accordance with both IEC standard and DIN 42673 standards.



Performance Data YE3 2P 50Hz

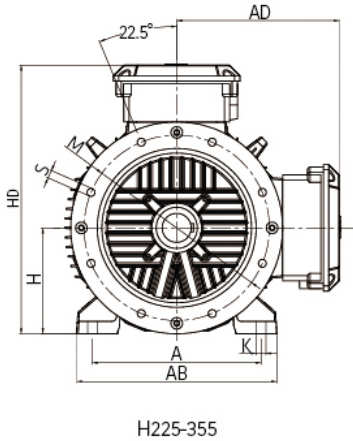
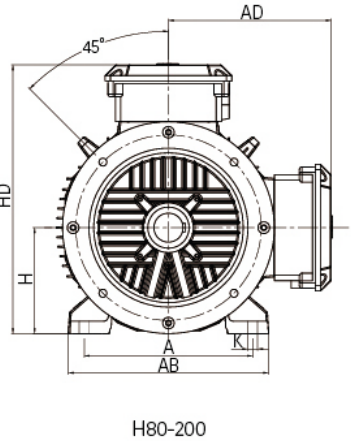
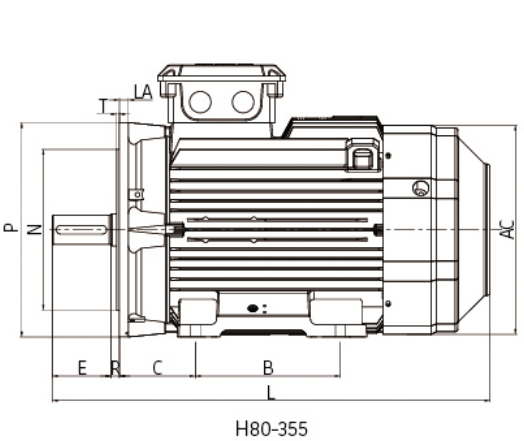
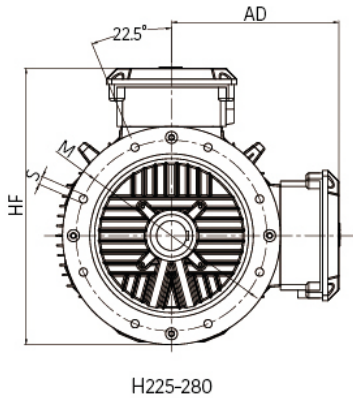
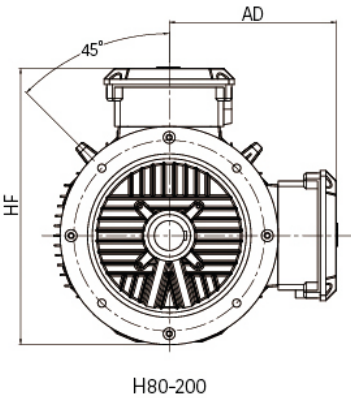
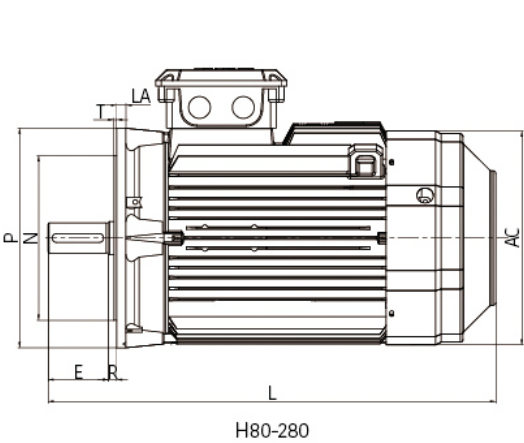
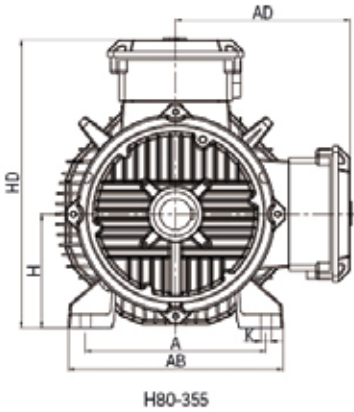
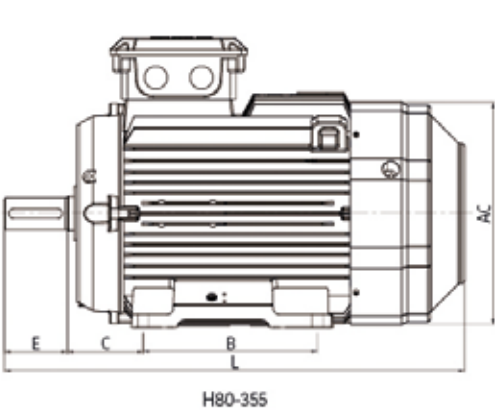
Type	Rated Output		Efficiency η% (IE3)	Power factor cosφ	Rated current (Amp)		Rated Speed (rpm)	Rated Torque (Nm)	Ts/Tn	Tmax/Tn	Is/In	Weight Kg
	kW	HP			380V	400V						
3000r/min												
YE3-80M1-2	0.75	1	80.7	0.82	1.72	1.64	2870	2.50	2.3	2.3	7	18
YE3-80M2-2	1.1	1.5	82.7	0.83	2.43	2.31	2875	3.65	2.2	2.3	7.3	22
YE3-90S-2	1.5	2	84.2	0.84	3.22	3.06	2880	4.97	2.2	2.3	7.6	24
YE3-90L-2	2.2	3	85.9	0.85	4.58	4.35	2880	7.30	2.2	2.3	7.6	27
YE3-100L-2	3	4	87.1	0.87	6.02	5.71	2880	9.95	2.2	2.3	7.8	35
YE3-112M-2	4	5.5	88.1	0.88	7.84	7.45	2915	13.1	2.2	2.3	8.3	42
YE3-132S1-2	5.5	7.5	89.2	0.88	10.6	10.1	2935	17.9	2	2.3	8.3	64
YE3-132S2-2	7.5	10	90.1	0.88	14.4	13.7	2930	24.4	2	2.3	7.9	70
YE3-160M1-2	11	15	91.2	0.89	20.6	19.6	2950	35.6	2	2.3	8.1	140
YE3-160M2-2	15	20	91.9	0.89	27.9	26.5	2945	48.6	2	2.3	8.1	154
YE3-160L-2	18.5	25	92.4	0.89	34.2	32.5	2945	60.0	2	2.3	8.2	162
YE3-180M-2	22	30	92.7	0.89	40.5	38.5	2950	71.2	2	2.3	8.2	198
YE3-200L1-2	30	40	93.3	0.89	54.9	52.1	2965	96.6	2	2.3	7.6	260
YE3-200L2-2	37	50	93.7	0.89	67.4	64	2965	119	2	2.3	7.6	280
YE3-225M-2	45	60	94	0.9	80.8	76.8	2965	145	2	2.3	7.7	330
YE3-250M-2	55	75	94.3	0.9	98.5	93.5	2975	177	2	2.3	7.7	390
YE3-280S-2	75	100	94.7	0.9	134	127	2975	241	1.8	2.3	7.1	610
YE3-280M-2	90	125	95	0.9	160	152	2975	289	1.8	2.3	7.1	680
YE3-315S-2	110	150	95.2	0.9	195	185	2985	352	1.8	2.3	7.1	960
YE3-315M-2	132	180	95.4	0.9	234	222	2985	422	1.8	2.3	7.1	1050
YE3-315L1-2	160	220	95.6	0.91	279	265	2985	512	1.8	2.3	7.2	1080
YE3-315L-2	185	250	95.7	0.91	323	307	2985	592	1.8	2.3	7.2	1200
YE3-315L2-2	200	270	95.8	0.91	349	331	2985	640	1.8	2.2	7.2	1200
YE3-355M1-2	220	300	95.8	0.91	383	364	2985	704	1.8	2.2	7.2	1700
YE3-355M2-2	250	340	95.8	0.91	436	414	2985	800	1.6	2.2	7.2	1720
YE3-355M3-2	280	375	95.8	0.91	488	464	2985	896	1.6	2.2	7.2	1840
YE3-355L-2	315	430	95.8	0.91	549	522	2985	1008	1.6	2.2	7.2	1860
YE3-355L1-2	355	470	95.8	0.91	619	588	2985	1136	1.6	2.2	7.2	2160
YE3-355L2-2	375	500	95.8	0.91	654	621	2985	1200	1.6	2.2	7.2	2400

Performance Data YE3 4P 50Hz

Type	Rated Output		Efficiency η % (IE3)	Power factor cosø	Rated current (Amp)		Rated Speed (rpm)	Rated Torque (Nm)	Ts/Tn	Tmax/Tn	Is/In	Weight Kg
	kW	HP			380V	400V						
1000r/min												
YE3-80M2-4	0.75	1	82.5	0.75	1.84	1.75	1430	5.01	2.3	2.3	6.6	18
YE3-90S-4	1.1	1.5	84.1	0.76	2.61	2.48	1430	7.35	2.3	2.3	6.8	25
YE3-90L-4	1.5	2	85.3	0.77	3.47	3.3	1430	10.0	2.3	2.3	7	27
YE3-100L14	2.2	3	86.7	0.81	4.76	4.52	1440	14.6	2.3	2.3	7.6	34
YE3-100L2-4	3	4	87.7	0.82	6.34	6.02	1440	19.9	2.3	2.3	7.6	39
YE3-112M-4	4	5.5	88.6	0.82	8.37	7.95	1455	26.3	2.2	2.3	7.8	45
YE3-132S-4	5.5	7.5	89.6	0.83	11.2	10.7	1465	35.9	2	2.3	7.9	70
YE3-132M-4	7.5	10	94.4	0.84	15	14.3	1465	48.9	2	2.3	7.5	80
YE3-160M-4	11	15	91.4	0.85	21.5	20.4	1470	71.5	2.2	2.3	7.7	130
YE3-160L-4	15	20	92.1	0.86	28.8	27.3	1470	97.4	2	2.3	7.8	150
YE3-180M-4	18.5	25	92.6	0.86	35.3	33.5	1470	120	2	2.3	7.8	190
YE3-180L-4	22	30	93	0.86	41.8	39.7	1470	143	2	2.3	7.8	210
YE3-200L-4	30	40	93.6	0.86	56.6	53.8	1475	194	2	2.3	7.3	280
YE3-225S-4	37	50	93.9	0.86	69.6	66.1	1480	239	2	2.3	7.4	320
YE3-225M-4	45	60	94.2	0.86	84.4	80.2	1480	290	2	2.3	7.4	350
YE3-250M-4	55	75	94.6	0.86	103	97.6	1485	354	2.2	2.3	7.4	450
YE3-280S-4	75	100	95	0.86	136	129	1490	481	2	2.3	6.9	600
YE3-280M-4	90	125	95.2	0.88	163	155	1490	577	2	2.3	6.9	670
YE3-315S-4	110	150	95.4	0.89	197	187	1490	705	2	2.2	7	980
YE3-315M-4	132	180	95.6	0.89	236	224	1490	846	2	2.2	7	1050
YE3-315L1-4	160	220	95.8	0.89	285	271	1490	1026	2	2.2	7.1	1170
YE3-315L-4	185	250	95.9	0.89	329	313	1490	1186	2	2.2	7.1	1180
YE3-315L2-4	200	270	96	0.9	352	334	1490	1282	2	2.2	7.1	1720
YE3-355M1-4	220	300	96	0.9	387	368	1490	1410	2	2.2	7.1	1780
YE3-355M2-4	250	340	96	0.9	440	418	1495	1597	2	2.2	7.1	1850
YE3-355M3-4	280	375	96	0.9	492	468	1495	1789	2	2.2	7.1	1900
YE3-355L-4	315	430	96	0.9	554	526	1495	2012	2	2.2	7.1	2000
YE3-355L1-4	355	470	96	0.88	638	607	1495	2268	1.7	2.2	7	2290
YE3-355L2-4	375	500	96	0.88	674	641	1495	2395	1.7	2.2	7	2350

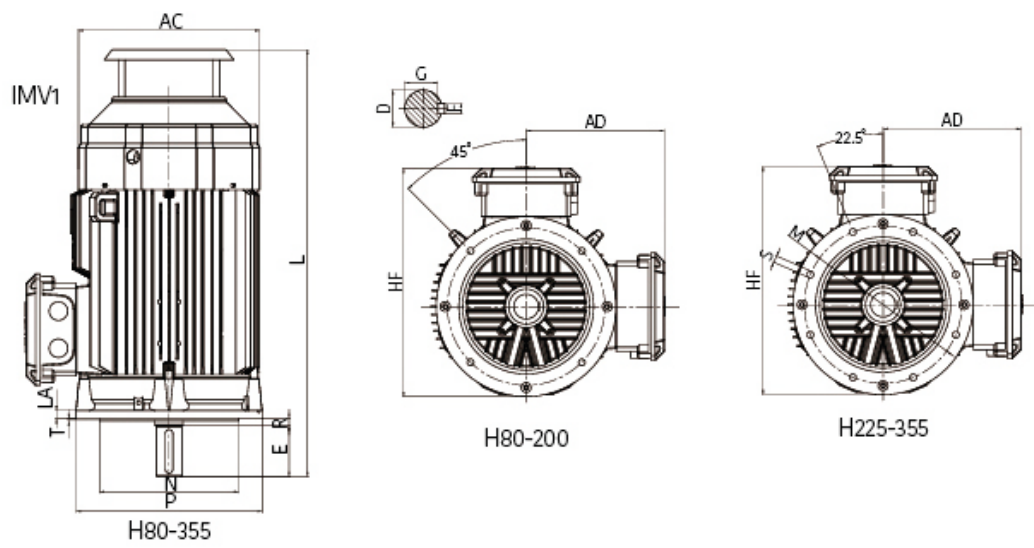
Performance Data YE3 6P 50Hz

Type	Rated Output		Efficiency η% (IE3)	Power factor cosφ	Rated current (Amp)		Rated Speed (rpm)	Rated Torque (Nm)	Ts/Tn	Tmax/Tn	Is/In	Weight Kg
	kW	HP			380V	400V						
1000r/min												
YE3-90S-6	0.75	1	78.9	0.71	2.03	1.93	945	7.58	2	2.1	6	26
YE3-90L-6	1.1	1.5	81	0.73	2.83	2.69	950	11.1	2	2.1	6	28
YE3-100L-6	1.5	2	82.5	0.73	3.78	3.59	950	15.1	2	2.1	6.5	36
YE3-112M-6	2.2	3	84.3	0.74	5.36	5.09	965	21.8	2	2.1	6.6	42
YE3-132S-6	3	4	85.6	0.74	7.20	6.84	975	29.4	2	2.1	6.8	60
YE3-132M1-6	4	5.5	86.8	0.74	9.46	8.99	975	39.2	2	2.1	6.8	72
YE3-132M2-6	5.5	7.5	88	0.75	12.7	12	975	53.9	2	2.1	7	79
YE3-160M-6	7.5	10	89.1	0.79	16.2	15.4	980	73.1	2	2.1	7	125
YE3-160L-6	11	15	90.3	0.8	23.1	22	980	107	2	2.1	7.2	155
YE3-180L-6	15	20	91.2	0.81	30.9	29.3	980	146	2	2.1	7.3	185
YE3-200L1-6	18.5	25	91.7	0.81	37.8	35.9	985	179	2	2.1	7.3	240
YE3-200L2-6	22	30	92.2	0.81	44.8	42.5	985	213	2	2.1	7.4	250
YE3-225M-6	30	40	92.9	0.83	59.1	56.2	985	291	2	2.1	6.9	300
YE3-250M-6	37	50	93.3	0.84	71.7	68.1	985	359	2	2.1	7.1	384
YE3-280S-6	45	60	93.7	0.85	85.8	81.6	990	434	2	2	7.3	550
YE3-280M-6	55	75	94.1	0.86	103	98.1	990	531	2	2	7.3	600
YE3-315S-6	75	100	94.6	0.84	143	136	990	723	2	2	6.6	900
YE3-315M-6	90	125	94.9	0.85	170	161	990	868	2	2	6.7	1050
YE3-315L1-6	110	150	95.1	0.85	207	196	990	1061	2	2	6.7	1150
YE3-315L2-6	132	180	95.4	0.86	244	232	990	1273	2	2	6.8	1180
YE3-355M1-6	160	220	95.6	0.86	296	281	990	1543	1.8	2	6.8	1610
YE3-355M-6	185	250	95.7	0.86	342	324	995	1776	1.8	2	6.8	1610
YE3-355M2-6	200	270	95.8	0.87	365	346	995	1920	1.8	2	6.8	1630
YE3-355M3-6	220	300	95.8	0.87	401	381	995	2112	1.8	2	6.8	1720
YE3-355L-6	250	340	95.8	0.87	456	433	995	2399	1.8	2	6.8	2000
YE3-355L1-6	280	375	95.8	0.86	516	491	995	2687	1.8	2	6.8	2050
YE3-355L2-6	315	430	95.8	0.86	581	552	995	3023	1.8	2	6.8	2300



YE3 Outline Dimension

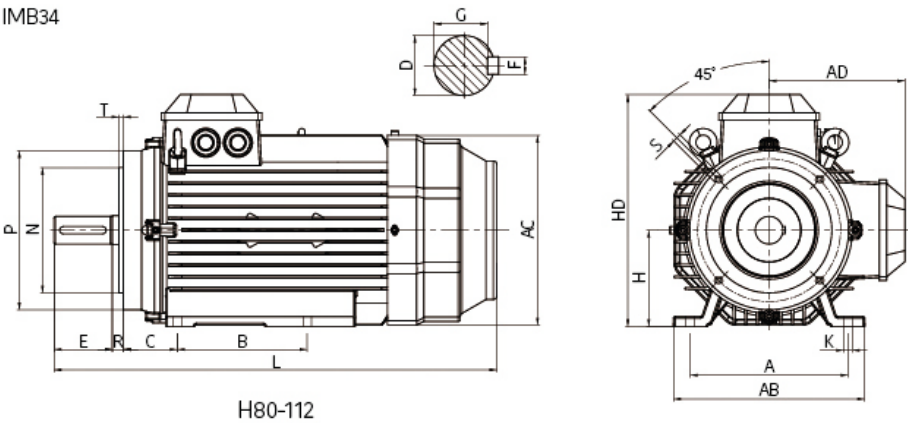
Type	Pole	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AB	AC	AD	HD	HF	LA	L
80M	2,4,6	125	100	50	19	40	6	15.5	80	10	165	130	200	0	4-Ø12	3.5	165	165	145	220	-	12	320
90S	2,4,6	140	100	56	24	50	8	20	90	10	165	130	200	0	4-Ø12	3.5	180	195	165	260	-	12	360
90L	2,4,6	140	125	56	24	50	8	20	90	10	165	130	200	0	4-Ø12	3.5	180	195	165	260	-	12	390
100L	2,4,6	160	140	63	28	60	8	24	100	12	215	180	250	0	4-Ø14.5	4	205	215	180	275	245	13	455
112M	2,4,6	190	140	70	28	60	8	24	112	12	215	180	250	0	4-Ø14.5	4	230	240	190	300	265	14	485
132S	2,4,6	216	140	89	38	80	10	33	132	12	265	230	300	0	4-Ø14.5	4	270	275	210	345	315	14	510
132M	2,4,6	216	178	89	38	80	10	33	132	12	265	230	300	0	4-Ø14.5	4	270	275	210	345	315	14	600
160M	2,4,6	254	210	108	42	110	12	37	160	15	300	250	350	0	4-Ø18.5	5	320	330	255	420	385	15	700
160L	2,4,6	254	254	108	42	110	12	37	160	15	300	250	350	0	4-Ø18.5	5	320	330	255	420	385	15	740
180M	2,4,6	279	241	121	48	110	14	42.5	180	15	300	250	350	0	4-Ø18.5	5	355	380	280	455	430	15	790
180L	2,4,6	279	279	121	48	110	14	42.5	180	15	300	250	350	0	4-Ø18.5	5	355	380	280	455	430	15	820
200L	2,4,6	318	305	133	55	110	16	49	200	19	350	300	400	0	4-Ø18.5	5	395	400	305	505	480	17	830
225S	4	356	286	149	60	140	18	53	225	19	400	350	450	0	8-Ø18.5	5	435	470	335	560	535	20	845
225M	2	356	311	149	55	110	16	49	225	19	400	350	450	0	8-Ø18.5	5	435	470	335	560	535	20	880
225M	4,6	356	311	149	60	140	18	53	225	19	400	350	450	0	8-Ø18.5	5	435	470	335	560	535	20	910
250M	2	406	349	168	60	140	18	53	250	24	500	450	550	0	8-Ø18.5	5	490	510	370	615	595	22	945
250M	4,6	406	349	168	65	140	18	58	250	24	500	450	550	0	8-Ø18.5	5	490	510	370	615	595	22	945
280S	2	457	368	190	65	140	18	58	280	24	500	450	550	0	8-Ø18.5	5	550	580	410	680	650	22	1100
280S	4,6	457	368	190	75	140	20	67.5	280	24	500	450	550	0	8-Ø18.5	5	550	580	410	680	650	22	1100
280M	2	457	419	190	65	140	18	58	280	24	500	450	550	0	8-Ø18.5	5	550	580	410	680	650	22	1100
280M	4,6	457	419	190	75	140	20	67.5	280	24	500	450	550	0	8-Ø18.5	5	550	580	410	680	650	22	1100
315S	2	508	406	216	65	140	18	58	315	28	600	550	660	0	8-Ø24	6	635	645	530	845	-	22	1125
315S	4,6	508	406	216	80	170	22	71	315	28	600	550	660	0	8-Ø24	6	635	645	530	845	-	22	1125
315M	2	508	457	216	65	140	18	58	315	28	600	550	660	0	8-Ø24	6	635	645	530	845	-	22	1305
315M	4,6	508	457	216	80	170	22	71	315	28	600	550	660	0	8-Ø24	6	635	645	530	845	-	22	1355
315L	2	508	508	216	65	140	18	58	315	28	600	550	660	0	8-Ø24	6	635	645	530	845	-	22	1305
315L	4,6	508	508	216	80	170	22	71	315	28	600	550	660	0	8-Ø24	6	635	645	530	845	-	22	1355
355M	2	610	560	254	75	140	20	67.5	355	28	740	680	800	0	8-Ø24	6	730	710	655	1010	-	25	1600
355M	4,6	610	560	254	95	170	25	86	355	28	740	680	800	0	8-Ø24	6	730	710	655	1010	-	25	1630
355L	2	610	630	254	75	140	20	67.5	355	28	740	680	800	0	8-Ø24	6	730	710	655	1010	-	25	1600
355L	4,6	610	630	254	95	170	25	86	355	28	740	680	800	0	8-Ø24	6	730	710	655	1010	-	25	1630
355L1	2	610	630	254	75	140	20	67.5	355	28	740	680	800	0	8-Ø24	6	730	710	655	1010	-	25	1870
355L2	4,6	610	630	254	100	210	28	90	355	28	740	680	800	0	8-Ø24	6	730	710	655	1010	-	25	1960



Type	Pole	D	E	F	G	M	N	P	R	S	T	AC	AD	HF	LA	L
80M	2,4,6	19	40	6	15.5	16.5	130	200	0	4-Ø12	3.5	175	145	-	12	360
90S	2,4,6	24	50	8	20	16.5	130	200	0	4-Ø12	3.5	195	165	-	12	400
90L	2,4,6	24	50	8	20	16.5	130	200	0	4-Ø12	3.5	195	165	-	12	430
100L	2,4,6	28	60	8	24	215	180	250	0	4-Ø14.5	4	215	180	245	13	500
112M	2,4,6	28	60	8	24	215	180	250	0	4-Ø14.5	4	240	190	265	14	530
132S	2,4,6	38	80	10	33	265	230	300	0	4-Ø14.5	4	275	210	315	14	560
132M	2,4,6	38	80	10	33	265	230	300	0	4-Ø14.5	4	275	210	315	14	650
160M	2,4,6	42	110	12	37	300	250	350	0	4-Ø18.5	5	330	255	385	15	760
160L	2,4,6	42	110	12	37	300	250	350	0	4-Ø18.5	5	330	255	385	15	800
180M	2,4,6	48	110	14	42.5	300	250	350	0	4-Ø18.5	5	380	280	500	15	850
180L	2,4,6	48	110	14	42.5	300	250	350	0	4-Ø18.5	5	380	280	500	15	880
200L	2,4,6	55	110	16	49	350	300	400	0	4-Ø18.5	5	420	305	550	17	890
225S	4	60	140	18	53	400	350	450	0	8-Ø18.5	5	470	335	610	20	905
225M	2	55	110	16	49	400	350	450	0	8-Ø18.5	5	470	335	610	20	940
225M	4,6	50	140	18	53	400	350	450	0	8-Ø18.5	5	470	335	610	20	970
250M	2	50	140	18	53	500	450	550	0	8-Ø18.5	5	510	370	650	22	1005
250M	4,6	65	140	18	58	500	450	550	0	8-Ø18.5	5	510	370	650	22	1005
280S	2	65	140	18	58	500	450	550	0	8-Ø18.5	5	580	410	720	22	1160
280S	4,6	75	140	20	67.5	500	450	550	0	8-Ø18.5	5	580	410	720	22	1160
280M	2	65	140	18	58	500	450	550	0	8-Ø18.5	5	580	410	720	22	1160
280M	4,6	75	140	20	67.5	500	450	550	0	8-Ø18.5	5	580	410	720	22	1160
315S	2	65	140	18	58	600	550	660	0	8-Ø24	6	645	530	900	22	1305
315S	4,6	80	170	22	71	600	550	660	0	8-Ø24	6	645	530	900	22	1335
315M	2	65	140	18	58	600	550	660	0	8-Ø24	6	645	530	900	22	1385
315M	4,6	80	170	22	71	600	550	660	0	8-Ø24	6	645	530	900	22	1435
315L	2	65	140	18	58	600	550	660	0	8-Ø24	6	645	530	900	22	1385
315L	4,6	80	170	22	71	600	550	660	0	8-Ø24	6	645	530	900	22	1435
355M	2	75	140	20	67.5	740	680	800	0	8-Ø24	6	710	655	1010	25	1680
355M	4,6	95	170	25	86	740	680	800	0	8-Ø24	6	710	655	1010	25	1710
355L	2	75	140	20	67.5	740	680	800	0	8-Ø24	6	710	655	1010	25	1680
355L	4,6	95	170	25	86	740	680	800	0	8-Ø24	6	710	655	1010	25	1710

YE3 Motor Outline Dimension

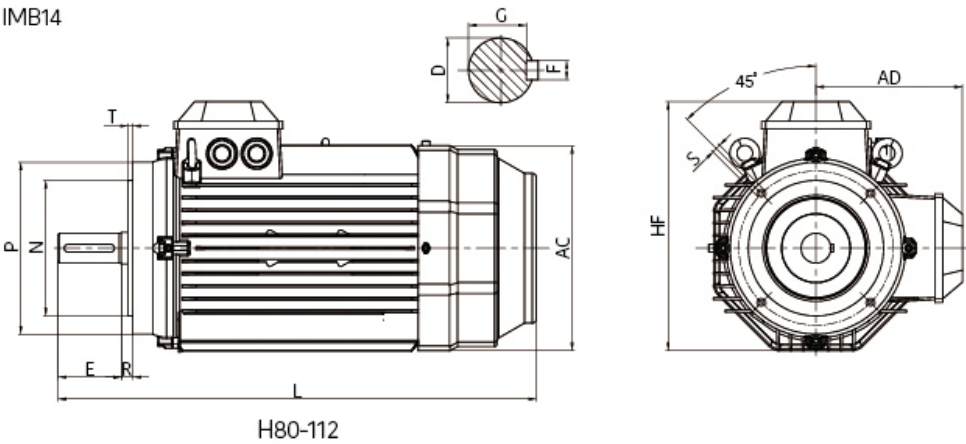
IMB34



H80-112

Type	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AB	AC	AD	HD	L
80M	125	100	50	19	40	6	15.5	80	10	100	80	120	0	4-M6	3	165	175	145	220	320
90S	140	100	56	24	50	8	20	90	10	115	95	140	0	4-M8	3	180	195	165	250	360
90L	140	125	56	24	50	8	20	90	10	115	95	140	0	4-M8	3	180	195	165	250	390
100L	160	140	63	28	60	8	24	100	12	130	110	160	0	4-M8	3.5	205	215	180	270	455
112M	190	140	70	28	60	8	24	112	12	130	110	160	0	4-M8	3.5	230	240	190	300	485

IMB14



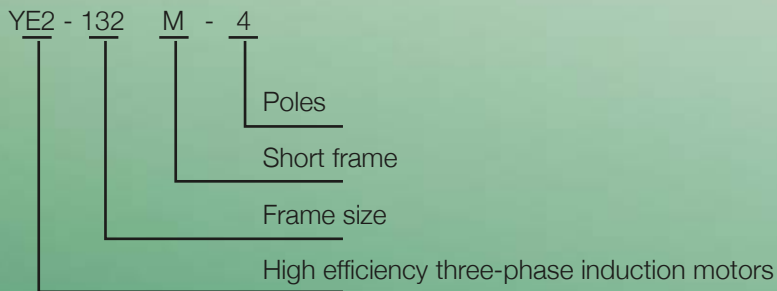
H80-112

Type	D	E	F	G	M	N	P	R	S	T	AC	AD	HF	L
80M	19	40	6	15.5	100	80	120	0	4-M6	3	175	145	230	320
90S	24	50	8	20	115	95	140	0	4-M8	3	195	165	245	360
90L	24	50	8	20	115	95	140	0	4-M8	3	195	165	245	390
100L	28	60	8	24	130	110	160	0	4-M8	3.5	215	180	285	455
112M	28	60	8	24	130	110	160	0	4-M8	3.5	240	190	320	485

YE2 series High efficiency (IE2) induction motor

Brief introduction

YE2 series high efficiency induction motor are energy saving products, which are designed in accordance with energy efficiency requirement under IEC 60034-30 standards. This series motors with a new lamination design, applied with high permeability cold-rolled silicon steel and oxygen-free copper wire, also the new design to reduce stray loss of winding. Motors with nice appearance, high efficient, class F grade insulation, IP55 protection, low electrical noise, small vibration, reliable operation, IC411 cooling method, and all the installation size and efficiency class are in accordance with both IEC standard and DIN 42673 standards.



Performance Data YE2 2P 50Hz

Type	Rated Output		Efficiency η % (IE2)	Power factor cosø	Rated current (Amp)		Rated Speed (rpm)	Rated Torque (Nm)	Ts/Tn	Tmax/Tn	Is/In	Weight Kg
	kW	HP			380V	400V						
3000r/min												
YE2-80M1-2	0.75	1	77.4	0.82	1.80	1.71	2870	2.50	2.3	2.3	6.8	16
YE2-80M2-2	1.1	1.5	79.6	0.83	2.53	2.40	2875	3.65	2.3	2.3	7.1	18
YE2-90S-2	1.5	2	81.3	0.84	3.34	3.17	2880	4.97	2.3	2.3	7.3	21
YE2-90L-2	2.2	3	83.2	0.85	4.73	4.49	2880	7.30	2.3	2.3	7.6	25
YE2-100L-2	3	4	84.6	0.87	6.19	5.88	2880	9.95	2.2	2.3	7.8	33
YE2-112M-2	4	5.5	85.8	0.88	8.05	7.65	2915	13.1	2.2	2.3	8.1	40
YE2-132S1-2	5.5	7.5	87	0.88	10.9	10.4	2935	17.9	2.2	2.3	8.2	59
YE2-132S2-2	7.5	10	88.1	0.89	14.5	13.8	2930	24.4	2.2	2.3	7.8	65
YE2-160M1-2	11	15	89.4	0.89	21.0	20.0	2950	35.6	2.2	2.3	7.9	117
YE2-160M2-2	15	20	90.3	0.89	28.4	26.9	2945	48.6	2.2	2.3	7.9	125
YE2-160L-2	18.5	25	90.9	0.89	34.7	33.0	2945	60.0	2.2	2.3	8	140
YE2-180M-2	22	30	91.3	0.89	41.1	39.1	2950	71.2	2.2	2.3	8.1	180
YE2-200L1-2	30	40	92	0.89	55.7	52.9	2965	96.6	2	2.3	7.5	225
YE2-200L2-2	37	50	92.5	0.89	68.3	64.9	2965	119	2	2.3	7.5	243
YE2-225M-2	45	60	92.9	0.89	82.7	78.6	2965	145	2.2	2.3	7.5	300
YE2-250M-2	55	75	93.2	0.89	101	95.7	2975	177	2.2	2.3	7.6	372
YE2-280S-2	75	100	93.8	0.89	136	130	2975	241	1.8	2.3	6.9	520
YE2-280M-2	90	125	94.1	0.89	163	155	2975	289	1.8	2.3	6.9	560
YE2-315S-2	110	150	94.3	0.9	197	187	2985	352	1.8	2.2	7	940
YE2-315M-2	132	180	94.6	0.9	236	224	2985	422	1.8	2.2	7	990
YE2-315L1-2	160	220	94.8	0.91	282	268	2985	512	1.8	2.2	7.1	1050
YE2-315L-2	185	250	94.9	0.91	325	309	2985	592	1.8	2.2	7.1	1080
YE2-315L2-2	200	270	95	0.91	351	334	2985	640	1.8	2.2	7.1	1140
YE2-355M1-2	220	300	95	0.91	387	367	2985	704	1.6	2.2	7.1	1630
YE2-355M2-2	250	340	95	0.91	439	417	2985	800	1.6	2.2	7.1	1650
YE2-355M3-2	280	375	95	0.91	492	467	2985	896	1.6	2.2	7.2	1820
YE2-355L-2	315	430	95	0.91	554	526	2985	1008	1.6	2.2	7.2	1850
YE2-355L1-2	355	470	95	0.91	624	593	2985	1136	1.6	2.2	7.2	2100
YE2-355L2-2	375	500	95	0.91	659	626	2985	1200	1.6	2.2	7.2	2350

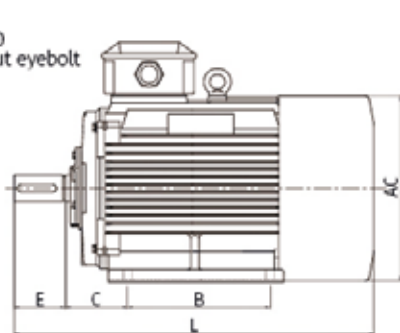
Performance Data YE2 4P 50Hz

Type	Rated Output		Efficiency η% (IE2)	cosø	Rated current (Amp)		Rated Speed (rpm)	Rated Torque (Nm)	Ts/Tn	Tmax/Tn	Is/In	Weight Kg
	kW	HP			380V	400V						
1500r/min												
YE2-80M2-4	0.75	1	79.6	0.76	1.88	1.79	1430	5.01	2.3	2.3	6.4	17
YE2-90S-4	1.1	1.5	81.4	0.77	2.67	2.53	1430	7.35	2.3	2.3	6.6	22
YE2-90L-4	1.5	2	82.8	0.78	3.53	3.35	1430	10.0	2.3	2.3	6.7	24
YE2-100L1-4	2.2	3	84.3	0.8	4.96	4.71	1440	14.6	2.3	2.3	7.3	32
YE2-100L2-4	3	4	85.5	0.81	6.58	6.25	1440	19.9	2.3	2.3	7.5	36
YE2-112M-4	4	5.5	86.6	0.81	8.66	8.23	1455	26.3	2.3	2.3	7.5	42
YE2-132S-4	5.5	7.5	87.7	0.82	11.6	11.0	1465	35.9	2	2.3	7.5	60
YE2-132M-4	7.5	10	88.7	0.83	15.5	14.7	1465	48.9	2	2.3	7.3	72
YE2-160M-4	11	15	89.8	0.83	22.4	21.3	1470	71.5	2	2.3	7.4	115
YE2-160L-4	15	20	90.6	0.84	29.9	28.4	1470	97.4	2	2.3	7.5	130
YE2-180M-4	18.5	25	91.2	0.85	36.3	34.4	1470	120	2	2.3	7.6	168
YE2-180L-4	22	30	91.6	0.85	42.9	40.8	1470	143	2.1	2.3	7.7	185
YE2-200L-4	30	40	92.3	0.85	58.1	55.2	1475	194	2.1	2.3	7.1	236
YE2-225S-4	37	50	92.7	0.86	70.5	67.0	1480	239	2.1	2.3	7.3	285
YE2-225M-4	45	60	93.1	0.86	85.4	81.1	1480	290	2.2	2.3	7.3	326
YE2-250M-4	55	75	93.5	0.86	104	98.7	1485	354	2.2	2.3	7.3	402
YE2-280S-4	75	100	94	0.87	139	132	1490	481	2.2	2.3	6.8	520
YE2-280M-4	90	125	94.2	0.88	165	157	1490	577	2.2	2.3	6.9	610
YE2-315S-4	110	150	94.5	0.89	199	189	1490	705	2.1	2.2	6.9	960
YE2-315M-4	132	180	94.7	0.89	238	226	1490	846	2.1	2.2	6.9	1020
YE2-315L1-4	160	220	94.9	0.9	285	270	1490	1026	2.1	2.2	6.9	1050
YE2-315L-4	185	250	95	0.9	329	312	1490	1186	2.1	2.2	6.9	1150
YE2-315L2-4	200	270	95.1	0.9	355	337	1490	1282	2.1	2.2	6.9	1160
YE2-355M1-4	220	300	95.1	0.9	391	371	1490	1410	2.1	2.2	6.9	1700
YE2-355M2-4	250	340	95.1	0.9	444	422	1495	1597	2	2.2	6.9	1740
YE2-355M3-4	280	375	95.1	0.9	497	472	1495	1789	2	2.2	6.9	1820
YE2-355L-4	315	430	95.1	0.9	559	531	1495	2012	2	2.2	6.9	1880
YE2-355L1-4	355	470	95.1	0.89	637	605	1495	2268	1.7	2.2	6.5	2170
YE2-355L2-4	375	500	95.1	0.88	681	647	1495	2395	1.7	2.2	6.5	2270

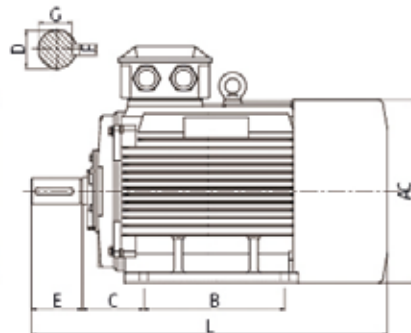
Performance Data YE2 6P 50Hz

Type	Rated Output		Efficiency η % (IE2)	cosφ	Rated current (Amp)		Rated Speed (rpm)	Rated Torque (Nm)	Ts/Tn	Tmax/Tn	Is/In	Weight Kg
	kW	HP			380V	400V						
1000r/min												
YE2-90S-6	0.75	1	75.9	0.71	2.11	2.01	945	7.58	2	2.1	5.8	24
YE2-90L-6	1.1	1.5	78.1	0.72	2.97	2.82	950	11.1	2	2.1	5.9	27
YE2-100L-6	1.5	2	79.8	0.72	3.97	3.77	950	15.1	2	2.1	5.9	34
YE2-112M-6	2.2	3	81.8	0.72	5.68	5.39	965	21.8	2	2.1	6.2	38
YE2-132S-6	3	4	83.3	0.72	7.60	7.22	975	29.4	2	2.1	6.4	55
YE2-132M1-6	4	5.5	84.6	0.74	9.71	9.22	975	39.2	2	2.1	6.6	65
YE2-132M2-6	5.5	7.5	86	0.75	13.0	12.3	975	53.9	2	2.1	6.8	75
YE2-160M-6	7.5	10	87.2	0.78	16.8	15.9	980	73.1	2	2.1	6.8	108
YE2-160L-6	11	15	88.7	0.79	23.9	22.7	980	107	2	2.1	6.9	115
YE2-180L-6	15	20	89.7	0.82	31.0	29.4	980	146	2	2.1	7.3	175
YE2-200L1-6	18.5	25	90.4	0.8	38.9	36.9	985	179	2	2.1	7.2	223
YE2-200L2-6	22	30	90.9	0.81	45.4	43.1	985	213	2	2.1	7.3	232
YE2-225M-6	30	40	91.7	0.82	60.6	57.6	985	291	2	2.1	6.8	290
YE2-250M-6	37	50	92.2	0.83	73.5	69.8	985	359	2	2.1	7	365
YE2-280S-6	45	60	92.7	0.85	86.8	82.4	990	434	2	2	7.2	500
YE2-280M-6	55	75	93.1	0.86	104	99.2	990	531	2	2	7.2	550
YE2-315S-6	75	100	93.7	0.84	145	138	990	723	2	2	6.5	860
YE2-315M-6	90	125	94	0.85	171	163	990	868	2	2	6.6	960
YE2-315L1-6	110	150	94.3	0.85	209	198	990	1061	2	2	6.6	1060
YE2-315L2-6	132	180	94.6	0.86	247	234	990	1273	2	2	6.6	1090
YE2-355M1-6	160	220	94.8	0.86	298	283	990	1543	2	2	6.7	1520
YE2-355M-6	185	250	94.9	0.86	344	327	995	1776	2	2	6.8	1560
YE2-355M2-6	200	270	95	0.86	372	353	995	1920	2	2	6.8	1600
YE2-355M3-6	220	300	95	0.86	409	389	995	2112	2	2	6.8	1690
YE2-355L-6	250	340	95	0.86	465	442	995	2399	2	2	6.8	1890
YE2-355L1-6	280	375	95	0.86	521	495	995	2687	2	2	6.8	1900
YE2-355L2-6	315	430	95	0.86	586	557	995	3023	2	2	6.8	2270

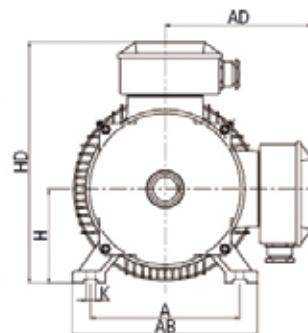
IMB3
H80-90
without eyebolt



H80-132

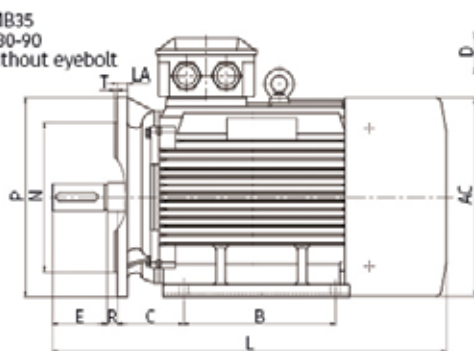


H160-355

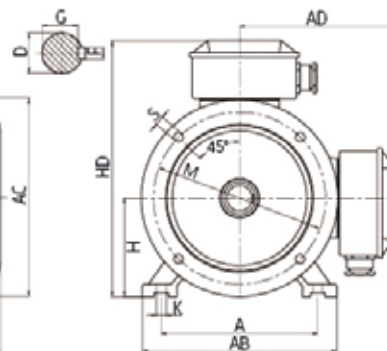


H80-355

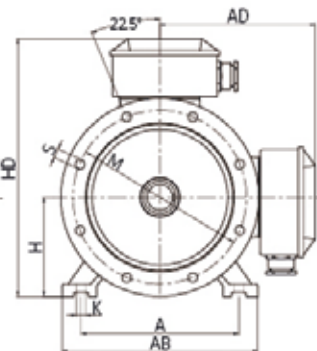
IMB35
H80-90
without eyebolt



H80-355

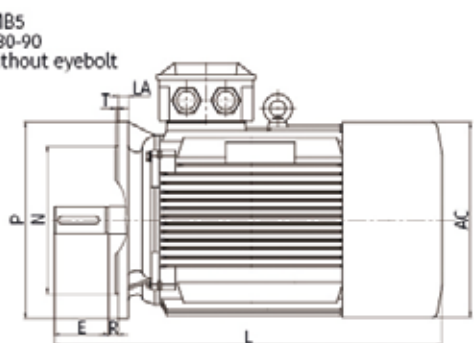


H80-200

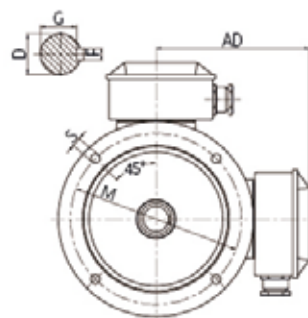


H225-355

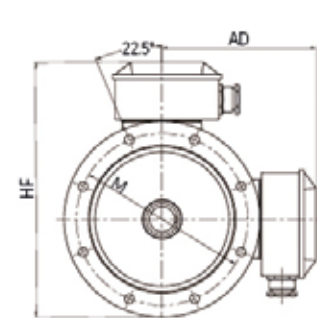
IMB5
H80-90
without eyebolt



H80-280



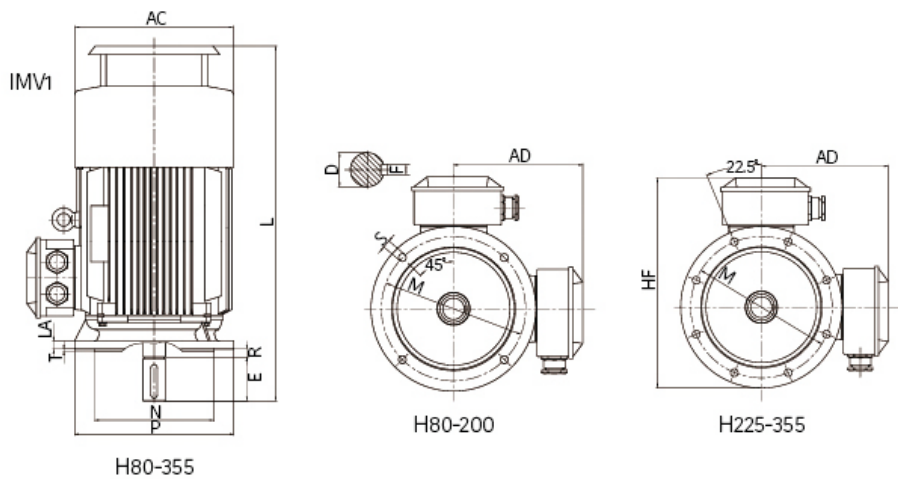
H80-200



H225-280

YE2 Outline Dimension

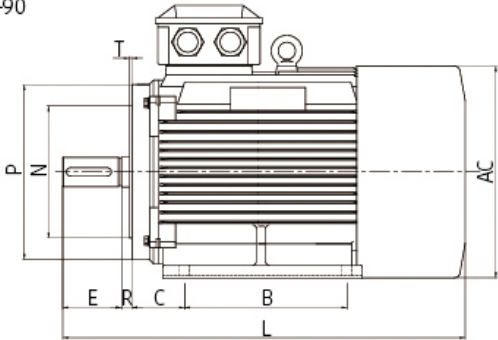
Type	Pole	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AB	AC	AD	HD	HF	LA	L
80M	2,4,6	125	100	50	19	40	6	15.5	80	10	165	130	200	0	4-Ø12	3.5	165	175	145	220	-	12	310
90S	2,4,6	140	100	56	24	50	8	20	90	10	165	130	200	0	4-Ø12	3.5	180	195	165	260	-	12	340
90L	2,4,6	140	125	56	24	50	8	20	90	10	165	130	200	0	4-Ø12	3.5	180	195	165	260	-	12	340
100L	2,4,6	160	140	63	28	60	8	24	100	12	215	180	250	0	4-Ø14.5	4	205	215	180	275	245	13	385
112M	2,4,6	190	140	70	28	60	8	24	112	12	215	180	250	0	4-Ø14.5	4	230	240	190	300	265	14	400
132S	2,4,6	216	140	89	38	80	10	33	132	12	265	230	300	0	4-Ø14.5	4	270	275	210	345	315	14	470
132M	2,4,6	216	178	89	38	80	10	33	132	12	265	230	300	0	4-Ø14.5	4	270	275	210	345	315	14	510
160M	2,4,6	254	210	108	42	110	12	37	160	15	300	250	350	0	4-Ø18.5	5	320	330	255	420	385	15	615
160L	2,4,6	254	254	108	42	110	12	37	160	15	300	250	350	0	4-Ø18.5	5	320	330	255	420	385	15	670
180M	2,4,6	279	241	121	48	110	14	42.5	180	15	300	250	350	0	4-Ø18.5	5	355	380	280	455	430	15	700
180L	2,4,6	279	279	121	48	110	14	42.5	180	15	300	250	350	0	4-Ø18.5	5	355	380	280	455	430	15	740
200L	2,4,6	318	305	133	55	110	16	49	200	19	350	300	400	0	4-Ø18.5	5	395	420	305	505	480	17	770
225S	4	356	286	149	60	140	18	53	225	19	400	350	450	0	8-Ø18.5	5	435	470	335	560	535	20	820
225M	2	356	311	149	55	110	16	49	225	19	400	350	450	0	8-Ø18.5	5	435	470	335	560	535	20	820
225M	4,6	356	311	149	60	140	18	53	225	19	400	350	450	0	8-Ø18.5	5	435	470	335	560	535	20	845
250M	2	406	349	168	60	140	18	53	250	24	500	450	550	0	8-Ø18.5	5	490	510	370	615	595	22	910
250M	4,6	406	349	168	65	140	18	58	250	24	500	450	550	0	8-Ø18.5	5	490	510	370	615	595	22	910
280S	2	457	368	190	65	140	18	58	280	24	500	450	550	0	8-Ø18.5	5	550	580	410	680	650	22	985
280S	4,6	457	368	190	75	140	20	67.5	280	24	500	450	550	0	8-Ø18.5	5	550	580	410	680	650	22	985
280M	2	457	419	190	65	140	18	58	280	24	500	450	550	0	8-Ø18.5	5	550	580	410	680	650	22	1035
280M	4,6	457	419	190	75	140	20	67.5	280	24	500	450	550	0	8-Ø18.5	5	550	580	410	680	650	22	1035
315S	2	508	406	216	65	140	18	58	315	28	600	550	660	0	8-Ø24	6	635	645	530	845	-	22	1185
315S	4,6	508	406	216	80	170	22	71	315	28	600	550	660	0	8-Ø24	6	635	645	530	845	-	22	1215
315M	2	508	457	216	65	140	18	58	315	28	600	550	660	0	8-Ø24	6	635	645	530	845	-	22	1295
315M	4,6	508	457	216	80	170	22	71	315	28	600	550	660	0	8-Ø24	6	635	645	530	845	-	22	1325
315L	2	508	508	216	65	140	18	58	315	28	600	550	660	0	8-Ø24	6	635	645	530	845	-	22	1295
315L	4,6	508	508	216	80	170	22	71	315	28	600	550	660	0	8-Ø24	6	635	645	530	845	-	22	1355
355M	2	610	560	254	75	140	20	67.5	355	28	740	680	800	0	8-Ø24	6	730	710	655	1010	-	25	1500
355M	4,6	610	560	254	95	170	25	86	355	28	740	680	800	0	8-Ø24	6	730	710	655	1010	-	25	1530
355L	2	610	630	254	75	140	20	67.5	355	28	740	680	800	0	8-Ø24	6	730	710	655	1010	-	25	1500
355L	4,6	610	630	254	95	170	25	86	355	28	740	680	800	0	8-Ø24	6	730	710	655	1010	-	25	1530
355L1	2	610	630	254	75	140	20	67.5	355	28	740	680	800	0	8-Ø24	6	730	710	655	1010	-	25	1870
355L2	4,6	610	630	254	100	210	28	90	355	28	740	680	800	0	8-Ø24	6	730	710	655	1010	-	25	1960



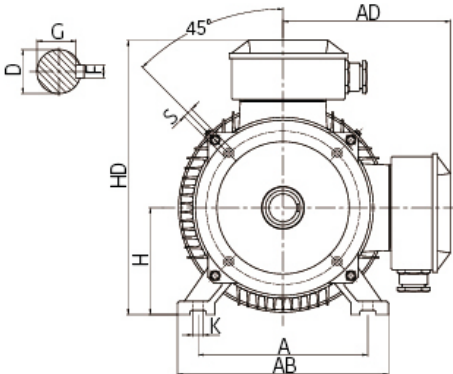
Type	Pole	D	E	F	G	M	N	P	R	S	T	AC	AD	HF	LA	L
80M	2, 4, 6	19	40	6	15.5	165	130	200	0	4-Ø12	3.5	165	145	-	12	350
90S	2, 4, 6	24	50	8	20	165	130	200	0	4-Ø12	3.5	195	165	-	12	380
90L	2, 4, 6	24	50	8	20	165	130	200	0	4-Ø12	3.5	195	165	-	12	380
100L	2, 4, 6	28	60	8	24	215	180	250	0	4-Ø14.5	4	215	180	245	13	430
112M	2, 4, 6	28	60	8	24	215	180	250	0	4-Ø14.5	4	240	190	265	14	450
132S	2, 4, 6	38	80	10	33	265	230	300	0	4-Ø14.5	4	275	210	315	14	520
132M	2, 4, 6	38	80	10	33	265	230	300	0	4-Ø14.5	4	275	210	315	14	560
160M	2, 4, 6	42	110	12	37	300	250	350	0	4-Ø18.5	5	330	255	385	15	675
160L	2, 4, 6	42	110	12	37	300	250	350	0	4-Ø18.5	5	330	255	385	15	730
180M	2,4,6	48	110	14	42.5	300	250	350	0	4-Ø18.5	5	380	280	500	15	760
180L	2,4,6	48	110	14	42.5	300	250	350	0	4-Ø18.5	5	380	280	500	15	800
200L	2,4,6	55	110	16	49	350	300	400	0	4-Ø18.5	5	420	305	550	17	840
225S	4	60	140	18	53	400	350	450	0	8-Ø18.5	5	470	335	610	20	880
225M	2	55	110	16	49	400	350	450	0	8-Ø18.5	5	470	335	610	20	880
225M	4,6	50	140	18	53	400	350	450	0	8-Ø18.5	5	470	335	610	20	925
250M	2	50	140	18	53	500	450	550	0	8-Ø18.5	5	510	370	650	22	970
250M	4,6	65	140	18	58	500	450	550	0	8-Ø18.5	5	510	370	650	22	970
280S	2	65	140	18	58	500	450	550	0	8-Ø18.5	5	580	410	720	22	1045
280S	4,6	75	140	20	67.5	500	450	550	0	8-Ø18.5	5	580	410	720	22	1045
280M	2	65	140	18	58	500	450	550	0	8-Ø18.5	5	580	410	720	22	1095
280M	4,6	75	140	20	67.5	500	450	550	0	8-Ø18.5	5	580	410	720	22	1095
315S	2	65	140	18	58	600	550	660	0	8-Ø24	6	645	530	900	22	1265
315S	4,6	80	170	22	71	600	550	660	0	8-Ø24	6	645	530	900	22	1295
315M	2	65	140	18	58	600	550	660	0	8-Ø24	6	645	530	900	22	1375
315M	4,6	80	170	22	71	600	550	660	0	8-Ø24	6	645	530	900	22	1405
315L	2	65	140	18	58	600	550	660	0	8-Ø24	6	645	530	900	22	1375
315L	4,6	80	170	22	71	600	550	660	0	8-Ø24	6	645	530	900	22	1405
355M	2	75	140	20	67.5	740	680	800	0	8-Ø24	6	710	655	1010	25	1580
355M	4,6	95	170	25	86	740	680	800	0	8-Ø24	6	710	655	1010	25	1610
355L	2	75	140	20	67.5	740	680	800	0	8-Ø24	6	710	655	1010	25	1950
355L	4,6	100	210	28	90	740	680	800	0	8-Ø24	6	710	655	1010	25	2040

YE2 Motor Outline Dimension

IMB34
H80-90



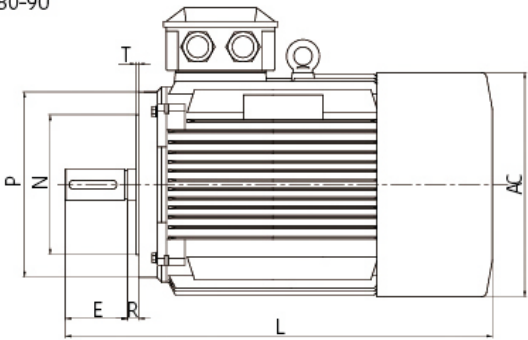
H80-112



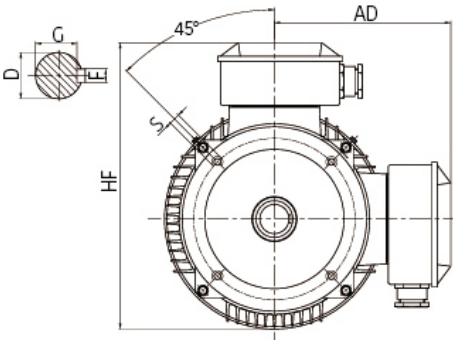
H80-112

Type	A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AB	AC	AD	HD	L
80M	125	100	50	19	40	6	15.5	80	10	100	80	120	0	4-M6	3	165	165	145	220	310
90S	140	100	56	24	50	8	20	90	10	115	95	140	0	4-M8	3	180	195	165	250	340
90L	140	125	56	24	50	8	20	90	10	115	95	140	0	4-M8	3	180	195	165	250	340
100L	160	140	63	28	60	8	24	100	12	130	110	160	0	4-M8	3.5	205	215	180	270	385
112M	190	140	70	28	60	8	24	112	12	130	110	160	0	4-M8	3.5	230	240	190	300	400

IMB14
H80-90



H80-112



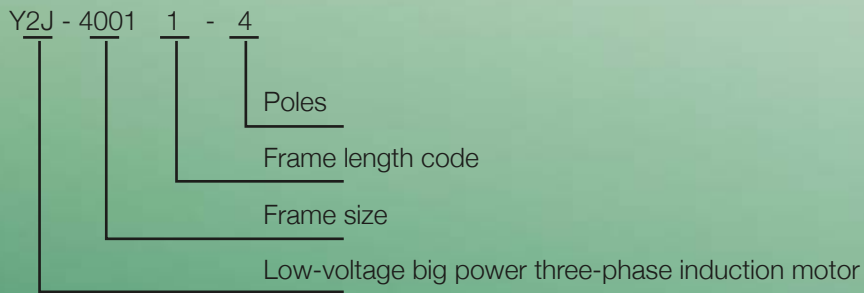
H80-112

Type	D	E	F	G	M	N	P	R	S	T	AC	AD	HF	L
80M	19	40	6	15.5	100	80	120	0	4-M6	3	165	145	230	310
90S	24	50	8	20	115	95	140	0	4-M8	3	195	165	245	340
90L	24	50	8	20	115	95	140	0	4-M8	3	195	165	245	340
100L	28	60	8	24	130	110	160	0	4-M8	3.5	215	180	285	385
112M	28	60	8	24	130	110	160	0	4-M8	3.5	240	190	320	400

Y2J series low-voltage big power induction motor

Brief Introduction

Y2J series low-voltage big power induction motor is new developed electric motor for frame 355-560 in order to make medium voltage high power into low voltage as same power motor. Adopt Class F insulation on such motor series, the motor with lower noise, better performance, more stable, lower vibration features. The standard cooling method is IC411, the mounting type are IMB3,IMB35. Nowadays, Y2J series motors are widely use in mining, compressor, petrochemical, construction machine field.



Y2J-Performance Date 50Hz

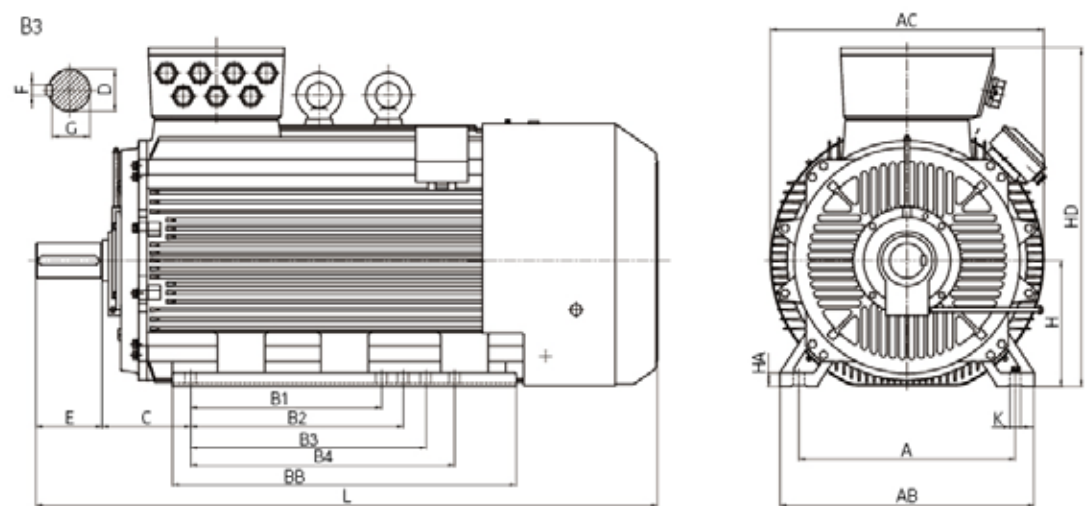
Type	Rated Output	Efficiency η %	Power factor $\cos\phi$	Rated current (Amp)		Rated Speed (rpm)	Ts/Tn	Tmax/Tn	Is/In	Weight Kg
	kW			380V	660V					
Y2J-33551-2	355	95.5	0.9	628	361	2975	7	1.6	2	2050
Y2J-33552-2	400	95.5	0.9	707	407	2975	7	1.6	2	2180
Y2J-33553-2	450	95.8	0.9	793	457	2975	7	1.6	2	2340
Y2J-33554-2	500	95.8	0.9	881	507	2975	7	1.6	2	2520
Y2J-33551-4	355	95.5	0.88	642	370	1485	7	1.6	2	2150
Y2J-33552-4	400	95.5	0.88	723	416	1485	7	1.6	2	2300
Y2J-33553-4	450	95.8	0.88	811	467	1485	7	1.6	2	2460
Y2J-33554-4	500	95.8	0.88	901	519	1485	7.8	1.4	2	2720
Y2J-33551-6	280	95.1	0.83	539	310	990	6.8	1.6	2	2150
Y2J-33552-6	315	95.2	0.83	606	349	990	6.5	1.6	2	2310
Y2J-33553-6	355	95.3	0.83	682	393	990	6.5	1.6	2	2490
Y2J-33554-6	400	95.3	0.83	768	442	990	6.5	1.6	2	2600
Y2J-33551-8	220	94.6	0.77	459	264	740	6.5	1.6	2	2230
Y2J-33552-8	250	94.8	0.77	520	300	740	6.5	1.6	2	2410
Y2J-33553-8	280	94.8	0.77	583	336	740	6.5	1.8	2	2600
Y2J-33554-8	315	94.8	0.77	656	377	740	6.5	1.8	2	2700
Y2J-33551-10	185	93.8	0.74	405	233	590	6	1.2	2	2150
Y2J-33552-10	200	94.0	0.74	437	252	590	6	1.2	2	2230
Y2J-33553-10	220	94.5	0.74	478	275	590	6	1.2	2	2410
Y2J-33554-10	250	94.5	0.74	543	313	590	6	1.2	2	2510
Y2J-33551-12	132	93.0	0.7	318	183	490	5	1.2	1.8	2145
Y2J-33552-12	160	93.0	0.7	373	215	490	5	1	1.8	2210
Y2J-33553-12	185	93.0	0.7	432	249	490	5	1	1.8	2290
Y2J-4001-2	560	95.5	0.9	990	570	2980	7.5	1.2	2.5	3200
Y2J-4002-2	630	95.6	0.9	1110	640	2980	7.5	1.2	2.5	3490
Y2J-4003-2	710	95.6	0.9	-	722	2980	7.5	1.2	2.5	3680
Y2J-4001-4	560	96.0	0.89	996	573	1485	7	1.3	2.5	3360
Y2J-4002-4	630	96.0	0.89	1120	645	1485	7	1.3	2.5	3430
Y2J-4001-6	400	95.6	0.83	766	441	990	6.8	1.3	2.5	3550
Y2J-4002-6	450	95.7	0.83	861	496	990	6.8	1.3	2.5	3660
Y2J-4003-6	500	95.7	0.83	956	551	990	6.8	1.3	2.5	3750
Y2J-4004-6	560	95.7	0.83	1071	617	990	6.8	1.3	2.5	3840
Y2J-4001-8	315	95.0	0.8	630	363	740	6	1.2	2.3	3290

Y2J-Performance Date 50Hz

Type	Rated Output	Efficiency η % (IE2)	Power factor $\cos\phi$	Rated current (Amp)		Rated Speed (rpm)	Ts/Tn	Tmax/Tn	Is/In	Weight Kg
	kW			380V	660V					
Y2J-4002-8	355	95	0.8	710	409	740	6	1.2	2.3	3350
Y2J-4003-8	400	95	0.8	800	460	740	6	1.2	2.3	3430
Y2J-4004-8	450	95	0.8	900	518	740	6	1.2	2.3	3530
Y2J-4001-10	250	95	0.8	500	288	590	6	1	2.3	3100
Y2J-4002-10	280	95.1	0.8	559	322	590	6	1	2.3	3220
Y2J-4003-10	315	95.1	0.8	629	362	590	6	1	2.3	3310
Y2J-4004-10	355	95.1	0.8	709	408	590	6	1	2.3	3420
Y2J-4001-12	200	94	0.74	437	252	490	5.5	1	1.8	3220
Y2J-4002-12	220	94	0.74	481	277	490	5.5	1	1.8	3380
Y2J-4501-12	710	95.2	0.9	-	725	2985	7.5	0.8	1.8	4800
Y2J-4502-2	800	95.6	0.9	-	813	2985	7.5	0.8	1.8	5000
Y2J-4503-2	900	96.0	0.9	-	911	2985	7.5	0.8	1.8	5200
Y2J-4501-4	710	95.2	0.87	-	750	1490	7.5	1.1	1.8	5000
Y2J-4502-4	800	95.6	0.87	-	841	1490	7.5	1.1	1.8	5200
Y2J-4503-4	900	96	0.87	-	943	1490	7.5	1	1.8	5500
Y2J-4504-4	1000	96	0.87	-	1047	1490	7.5	1	1.8	6750
Y2J-4501-6	560	94.4	0.83	1086	625	990	7	1.1	1.8	4200
Y2J-4502-6	630	94.8	0.83	1216	700	990	7	1.1	1.8	4800
Y2J-4503-6	710	95.2	0.83	-	786	990	7	1.1	1.8	5200
Y2J-4504-6	800	95.2	0.83	-	886	990	7	1.1	1.8	6400
Y2J-4501-8	450	94	0.76	957	551	740	7	1.1	1.8	4700
Y2J-4502-8	500	94	0.76	1063	612	740	7	1.1	1.8	4800
Y2J-4503-8	560	94.5	0.76	1184	682	740	7	1.1	1.8	5300
Y2J-4501-10	315	93.4	0.75	683	393	590	6.5	0.9	1.8	4000
Y2J-4502-10	355	93.8	0.75	767	441	590	6.5	0.9	1.8	5100
Y2J-4503-10	400	94.2	0.75	860	495	590	6.5	0.9	1.8	5400
Y2J-4504-10	450	94.2	0.75	968	557	590	6.5	0.9	1.8	5700
Y2J-4501-12	220	93.2	0.73	489	282	490	6	0.8	1.8	5000
Y2J-4502-12	250	93.6	0.73	556	320	490	6	0.8	1.8	5400
Y2J-4503-12	280	94	0.73	620	357	490	6	0.8	1.8	5800
Y2J-4504-12	315	94	0.73	697	402	490	6	0.8	1.8	6200
Y2J-5001-4	1000	95.5	0.88	-	1041	1490	7.5	0.7	2	6800
Y2J-5002-4	1120	95.6	0.88	-	1165	1490	7.5	0.7	2	7250
Y2J-5003-4	1250	95.6	0.88	-	1300	1490	7.5	0.7	2	7500

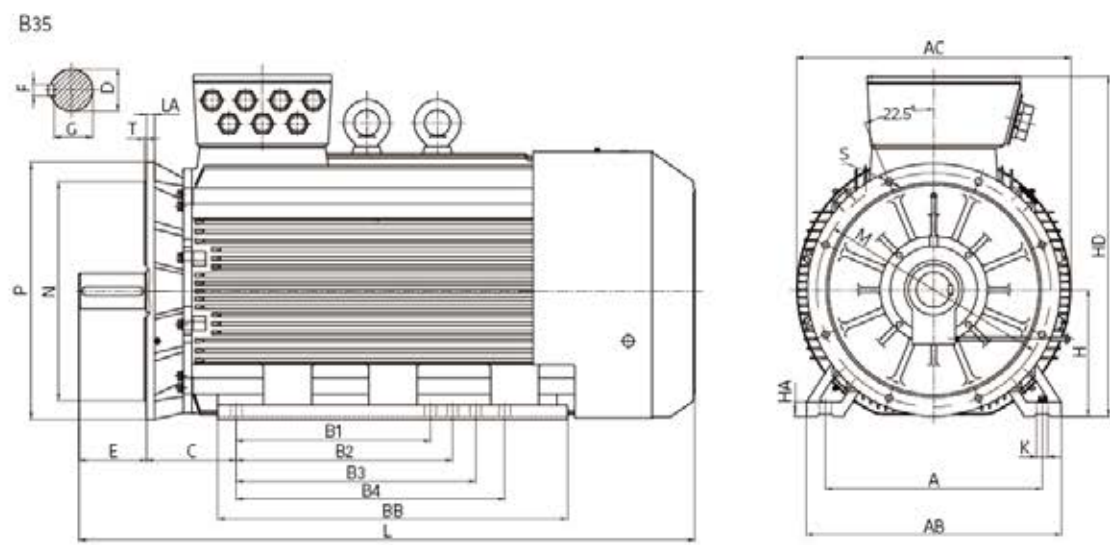
Y2J-Performance Date 50Hz

Type	Rated Output	Efficiency η % (IE2)	Power factor $\cos\phi$	Rated current (Amp)		Rated Speed (rpm)	Ts/Tn	Tmax/Tn	Is/In	Weight Kg
	kW			380V	660V					
Y2J-5001-6	800	95.6	0.84	-	871	990	7	0.8	1.8	6350
Y2J-5002-6	900	95.6	0.84	-	980	990	7.5	0.8	1.8	6750
Y2J-5003-6	1000	95.6	0.84	-	1089	990	7.5	0.8	1.8	7150
Y2J-5001-8	630	95.4	0.81	-	713	740	7	0.8	2.2	6750
Y2J-5002-8	710	95.4	0.81	-	804	740	7	0.8	2.2	7000
Y2J-5003-8	800	95.5	0.81	-	905	740	7	0.8	2.2	7250
Y2J-5001-10	450	95.4	0.8	-	516	590	7	1	2.2	6450
Y2J-5002-10	500	95.4	0.8	-	573	590	7	1	2.2	6650
Y2J-5003-10	560	95.4	0.8	-	642	590	7	1	2.2	6850
Y2J-5004-10	630	95.4	0.8	-	722	590	7	1	2.2	7000
Y2J-5001-12	315	95	0.76	663	382	490	6	0.8	1.8	6000
Y2J-5002-12	355	95.1	0.76	746	430	490	6	0.8	1.8	6500
Y2J-5003-12	400	95.2	0.76	840	484	490	6	0.8	1.8	6750
Y2J-5004-12	450	95.2	0.76	945	544	490	6	0.8	1.8	6950
Y2J-5601-4	1120	95.3	0.88	-	1168	1490	6.5	0.9	2	7250
Y2J-5602-4	1250	95.3	0.88	-	1304	1490	6.5	0.9	2	6950
Y2J-5603-4	1400	95.6	0.88	-	1456	1490	6.5	0.9	2	8570
Y2J-5604-4	1500	95.6	0.88	-	1560	1490	6.5	0.9	2	8700
Y2J-5601-6	1000	95.4	0.85	-	1079	995	6.5	0.8	1.8	7500
Y2J-5602-6	1120	95.5	0.85	-	1207	995	6.5	0.8	1.8	7900
Y2J-5603-6	1250	95.7	0.85	-	1344	955	7	0.8	1.8	8200
Y2J-5604-6	1400	95.7	0.85	-	1506	995	7	0.8	1.8	8500
Y2J-5601-8	900	95.5	0.8	-	1030	740	5.6	0.8	1.8	8000
Y2J-5602-8	1000	95.7	0.8	-	1143	740	5.6	0.9	1.8	8500
Y2J-5603-8	1120	96.0	0.8	-	1276	740	5.6	0.9	1.8	9000
Y2J-5601-10	630	95.4	0.8	-	722	595	5.6	0.8	1.8	6600
Y2J-5602-10	710	96	0.8	-	809	595	5.6	0.8	1.8	6880
Y2J-5603-10	800	96.2	0.8	-	909	595	5.6	0.8	1.8	7080
Y2J-5604-10	900	96.2	0.8	-	1025	595	5.6	0.8	1.8	7280
Y2J-5601-12	450	95	0.77	935	538	495	6.5	0.8	1.8	6400
Y2J-5602-12	500	95	0.77	1039	598	495	6.5	0.8	1.8	6900
Y2J-5603-12	560	95.2	0.77	1161	668	495	6.5	0.8	1.8	7100
Y2J-5604-12	630	95.3	0.77	1304	751	495	6.5	0.8	1.8	7500



Type	Pole	A	B1	B2	B3	B4	C	D	E	F	G
355	2	630	630	710	-	-	254	75	140	20	67.5
355	4-12	630	630	710	-	-	254	100	210	28	90
400	2	686	630	710	-	-	280	80	170	22	71
400	4-12	686	630	710	-	-	280	110	210	28	100
450	2	800	900	1000	1120	1250	280	95	170	25	86
450	4-12	800	900	1000	1120	1250	280	120	210	32	109
500	4-12	900	1250	-	-	-	315	140	250	36	128
560	4-12	1000	1400	-	-	-	355	160	300	40	147

Type	Pole	H	K	AB	AC	BB	HA	HD	L
355	2	355	28	760	790	1140	52	1020	1950
355	4-12	355	28	760	790	1140	52	1020	2040
400	2	400	35	870	860	1130	45	1100	2160
400	4-12	400	35	870	860	1130	45	1100	2200
450	2	450	35	990	1035	1495	52	1400	2360
450	4-12	450	35	990	1035	1495	52	1400	2400
500	4-12	500	42	1080	1095	1600	65	1450	2550
560	4-12	560	42	1170	1170	1680	75	1450	2650



Type	Pole	A	B1	B2	B3	B4	C	D	E	F	G	H	K
355	2	630	630	710	-	-	254	75	140	20	67.5	355	28
355	4-12	630	630	710	-	-	254	100	210	28	90	355	28
400	2	686	630	710	-	-	280	80	170	22	70	400	35
400	4-12	686	630	710	-	-	280	110	210	28	100	400	35
450	2	800	900	1000	1120	1250	280	95	170	25	86	450	35
450	4-12	800	900	1000	1120	1250	280	120	210	32	109	450	35
500	4-12	900	1250	-	-	-	315	140	250	36	128	500	42
560	4-12	1000	1400	-	-	-	355	160	300	40	147	560	42

Type	Pole	M	N	P	S	T	LA	AB	AC	BB	HA	HD	L
355	2	740	680	800	8-Ø24	6	30	760	790	1140	52	1020	1950
355	4-12	740	680	800	8-Ø24	6	30	760	790	1140	52	1020	2000
400	2	940	880	1000	8-Ø28	6	30	870	860	1130	45	1100	2160
400	4-12	940	880	1000	8-Ø28	6	30	870	860	1130	45	1100	2200
450	2	940	880	1000	8-Ø28	6	30	990	1035	1495	52	1400	2360
450	4-12	940	880	1000	8-Ø28	6	30	990	1035	1495	52	1400	2400
500	4-12	1080	1000	1150	8-Ø28	6	30	1080	1095	1600	65	1450	2550
560	4-12	1180	1120	1250	8-Ø28	6	30	1170	1170	1680	75	1450	2650

CM2 SERIES

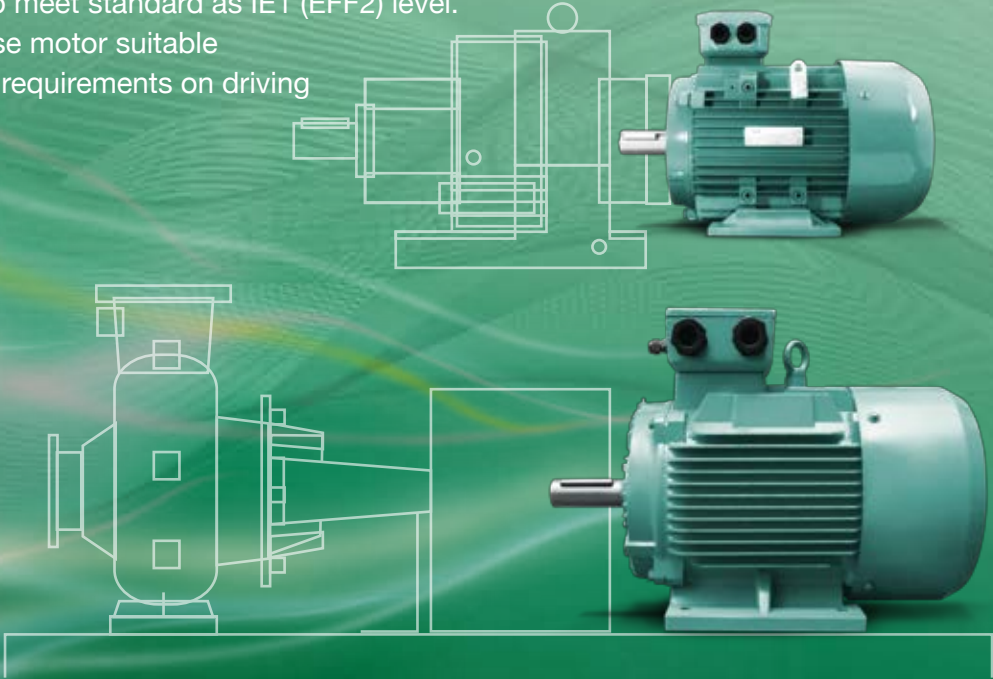
CM2 series General efficiency induction motor

Brief Introduction

CM2 series general efficiency induction motor is the low voltage general purpose, which have performance according to meet standard as IE1 (EFF2) level. This series is a kind of general purpose motor suitable for regular machinery without special requirements on driving in regular work environments.

Technical Data of CM2 series :

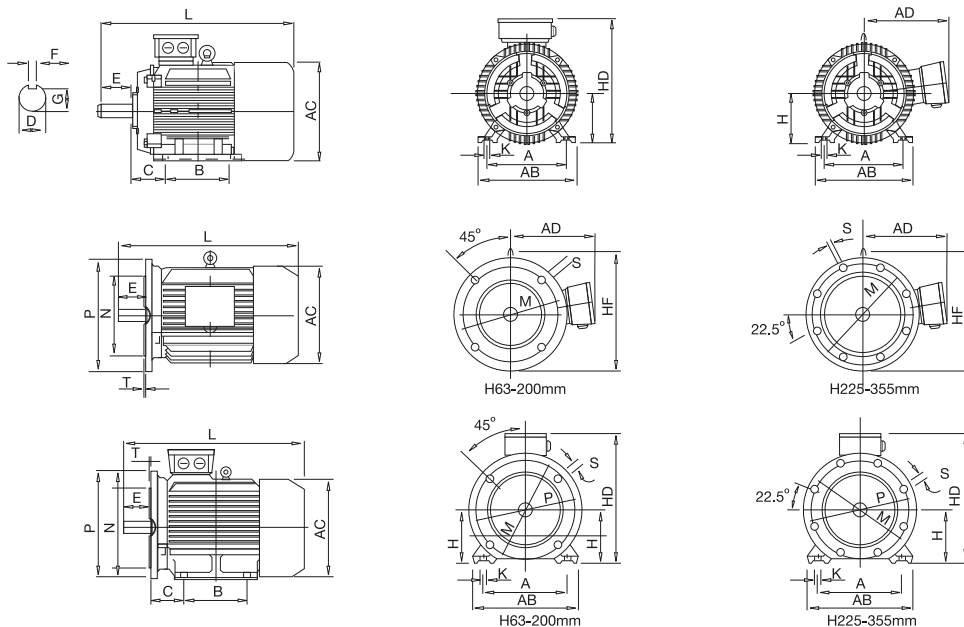
- Frame size : 63-355mm
- Power range : 0.12-315KW
- Rated voltage ; 380V(special should order)
- Rated frequency : 50 Hz or 60Hz
- Protection class : IP54 or IP55
- Insulation class : F
- Duty type : S1



Type	(Kw)	(Hp)	(r/min)	IN(A)	π(%)	(cosø)	Ist/TN	Tst/TN	Tmax/TN				
Synchronous Speed 3000/rpm													
CM2-71M2-2	0.55	0.75	2740	1.40	73	0.82	6.1	2.2	2.3				
CM2-80M1-2	0.75	1	2830	1.83	75	0.83							
CM2-80M2-2	1.1	1.5		2840	2.61	76.2	0.84			7.0			
CM2-90S-2	1.5	2	2840		3.46	78.5	0.84						
CM2-90L-2	2.2	3		2870	4.85	81	0.85						
CM2-100L-2	3.0	4	2890		6.34	82.6	0.87	7.5					
CM2-112M-2	4.0	5		2900	8.20	84.2	0.88						
CM2-132S1-2	5.5	7.5	2900		11.1	85.7	0.88						
CM2-132S2-2	7.5	10		2930	14.9	87	0.88						
CM2-160M1-2	11	15	2930		21.2	88.4	0.89						
CM2-160M2-2	15	20		2940	28.6	89.4	0.89						
CM2-160L-2	18.5	25	2940		34.7	90	0.90						
CM2-180M-2	22	30		2950	41.0	90.5	0.90						
CM2-200L1-2	30	40	2950		55.4	91.4	0.90	2.0					
CM2-200L2-2	37	50		2970	67.9	92	0.90						
CM2-225M-2	45	60	2970		82.1	92.5	0.90						
CM2-250M-2	55	75		2970	99.8	93	0.90						
CM2-280S-2	75	100			2970	135.3	93.6		0.90				
CM2-280M-2	90	125				2970	160.0	93.9	0.91				
CM2-315S-2	110	150	2980				195.4	94	0.91	7.1	1.8		
CM2-315M-2	132	175		2980			233.2	94.5	0.91				
CM2-315L1-2	160	220			2980		279.3	94.6	0.92		7.1	1.8	
CM2-315L2-2	200	270				2980	348.4	94.8	0.92				
CM2-355M-2	250	340					2980	433.7	95.2			0.92	7.1
CM2-355L-2	315	450						2980	545.3	95.4		0.92	

Type	(Kw)	(Hp)	(r/min)	IN(A)	η(%)	(cosφ)	Ist/TN	Tst/TN	Tmax/TN
Synchronous Speed 1500/rpm									
CM2-80M1-4	0.55	0.75	1390	0.55	71	0.75	5.2	2.4	2.3
CM2-80M2-4	0.75	1		0.75	73	0.76	6.0	2.3	
CM2-90S-4	1.1	1.5	1400	1.1	76.2	0.77			
CM2-90L-4	1.5	2.0		1.5	78.5	0.79			
CM2-100L1-4	2.2	3.0	1430	2.2	81	0.81			
CM2-100L2-4	3.0	4.0		3.0	82.6	0.82			
CM2-112M-4	4.0	5.0	1440	4.0	84.2	0.83	7.5		
CM2-132S-4	5.5	7.5		5.5	85.7	0.84			
CM2-132M-4	7.5	10		7.5	87	0.84			
CM2-160M-4	11	15	1460	11	88.4	0.85		7.2	
CM2-160L-4	15	20		15	89.4	0.86			
CM2-180M-4	18.5	25	1470	18.5	90.0	0.86	6.9		
CM2-180L-4	22	30		22	90.5	0.86			
CM2-200L-4	30	40		30	91.4	0.87			
CM2-225S-4	37	50	1480	37	92.0	0.87		2.1	
CM2-225M-4	45	60		45	92.5	0.87			
CM2-260M-4	55	75		55	93	0.87			
CM2-260S-4	75	100		75	93.6	0.87			
CM2-280M-4	90	125	1490	90	93.9	0.87	2.2		
CM2-315S-4	110	150		110	94.5	0.88			
CM2-315M-4	132	175		132	94.8	0.88			
CM2-315L1-4	160	220		160	94.9	0.89			
CM2-315L2-4	200	270	1485	200	95.0	0.89			
CM2-355M-4	250	340		250	95.3	0.90			
CM2-355L-4	315	430		315	95.6	0.90			

Type	(Kw)	(Hp)	(r/min)	IN(A)	π(%)	(cosø)	Ist/TN	Tst/TN	Tmax/TN
Synchronous Speed 1000/rpm									
CM2-90S-6	0.55	0.75	910	2.29	69	0.72	5.5	2.0	2.1
CM2-90L-6	0.75	1.0		3.18	72	0.73			
CM2-100L-6	1.1	1.5	940	4.00	76	0.75			
CM2-112M-6	1.5	2.0		5.57	79	0.76			
CM2-132S-6	2.2	3.0	960	7.40	81	0.76	6.5	2.1	
CM2-132M1-6	3.0	4.0		9.75	82	0.76			
CM2-132M2-6	4.0	5.5		12.9	84	0.77			
CM2-160M-6	5.5	7.5	970	17.2	86	0.77		2.0	
CM2-160L-6	7.5	10		24.5	87.5	0.78			
CM2-180L-6	11	15		31.6	89	0.81			
CM2-200L1-6	15	20		38.6	90	0.81	7.0	2.1	
CM2-200L2-6	18.5	25	44.7	90	0.83	2.0			
CM2-225M-6	22	30	980	59.3	91.5	0.84		2.1	
CM2-250M-6	30	40		71.1	92	0.86			
CM2-280S-6	37	50		85.9	92.5	0.86		2.0	
CM2-280M-6	45	60		104.7	92.8	0.86			
CM2-315S-6	55	75	141.7	93.5	0.86	6.7	1.9		
CM2-315M-6	75	100	990	169.5	93.8				0.86
CM2-315L1-6	90	125		206.7	94			0.86	
CM2-315L2-6	110	150		244.7	94.2			0.87	
CM2-355M1-6	132	175		292.3	94.5		0.88		
CM2-355M2-6	160	220		365.4	94.5		0.88		
CM2-355M2-6	200	270		456.8	94.5		0.88		



		Mounting Dimension							Overall Dimension					
Frame	Poles	A	B	C	D	E	F	G	AB	AC	AD	HD	HF	L
63M	2.4	100	80	40	11	23	4	8.5	135	130	70	180	130	230
71M	2.4.6	112	90	45	14	30	5	11	150	145	80	195	145	255
80M	2.4.6.8	125	100	50	19	40	6	15.5	165	175	145	220	185	295
90S	2.4.6.8	140	100	56	24	50	8	20	180	195	155	250	195	320
90L	2.4.6.8	140	125	56	24	50	8	20	180	195	155	250	195	345
100L	2.4.6.8	160	140	63	28	60	8	24	205	215	180	270	245	385
112M	2.4.6.8	190	140	70	28	60	8	24	230	240	190	300	265	400
132S	2.4.6.8	216	140	89	38	80	10	33	270	275	210	345	315	470
132M	2.4.6.8	216	178	89	38	80	10	33	270	275	210	345	315	510
160M	2.4.6.8	254	210	108	42	110	12	37	320	330	255	420	385	615
160L	2.4.6.8	254	254	108	42	110	12	37	320	330	255	420	385	670
180M	2.4.6.8	279	241	121	48	110	14	42.5	355	380	280	455	430	700
180L	2.4.6.8	279	279	121	48	110	14	42.5	355	380	280	455	430	740
200L	2.4.6.8	318	305	133	55	110	16	49	395	420	305	505	480	770
225S	4.8	356	286	149	60	140	18	53	435	470	335	560	535	815
225M	2	356	311	149	55	110	16	49	435	470	335	560	535	820
	4.6.8				60	140	18	53						845
250M	2	406	349	168	60	140	18	53	490	510	370	615	595	910
	4.6.8				65	140	18	58						
280S	2	457	368	190	65	140	18	58	550	580	410	680	650	985
	4.6.8				75	140	20	67.5						
280M	2	457	419	190	65	140	18	58	550	580	410	680	650	1035
	4.6.8				75	140	22	71						
315S	2	508	406	216	65	140	18	58	635	645	530	845	-	1160
	4.6.8				80	170	22	71						1270
315M	2	508	457	216	65	140	18	58	635	645	530	845	-	1190
	4.6.8.10				80	170	22	71						1300
315L	2	508	508	216	65	140	18	58	635	645	530	845	-	1190
	4.6.8.10				80	170	22	71						1300
355M	2	610	560	254	75	140	20	67.5	730	710	655	1010	-	1500
	4.6.8.10				95	170	25	86						1530
355L	2	610	630	254	75	140	20	67.5	730	710	655	1010	-	1500
	4.6.8.10				95	170	25	86						1530

YVF series inverter duty motors

Brief introduction

(Three-phase inverter duty motor): inverter duty motor using a separate line axial fan forced cooling with high-performance electromagnetic design and insulation system, 5 ~ 50Hz constant torque, 50 ~ 100Hz constant power speed working condition.

Product Specifications

YVF series motors, variable speed / frequency.

IEC Standard

Cooling method IC416 (forced cooling), protection class IP55, F class insulation, B grade temperature

Frame size: 80mm to 400mm.

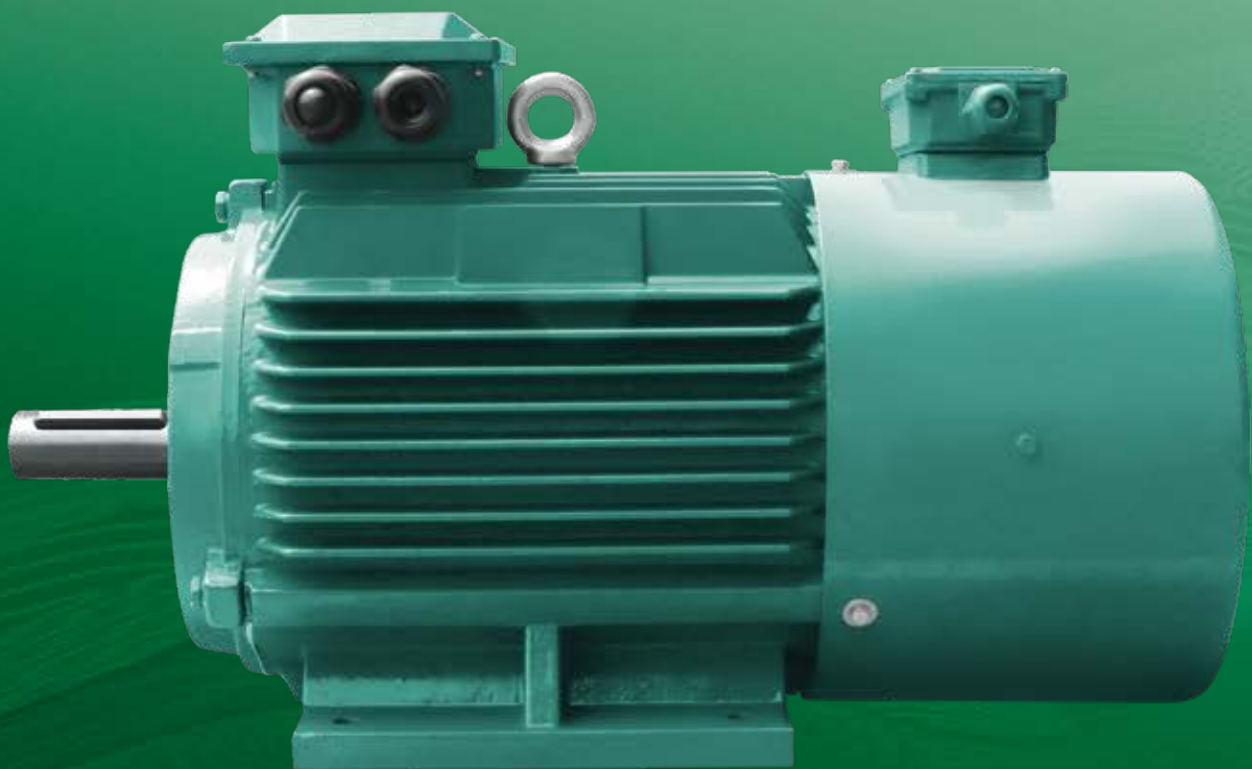
Pole: 4, 6, 8 optional

Rated power: 0.18kw ~ 560kw, frequency control.

Frequency range: 5 ~ 100Hz

5 ~ 50Hz: constant torque output

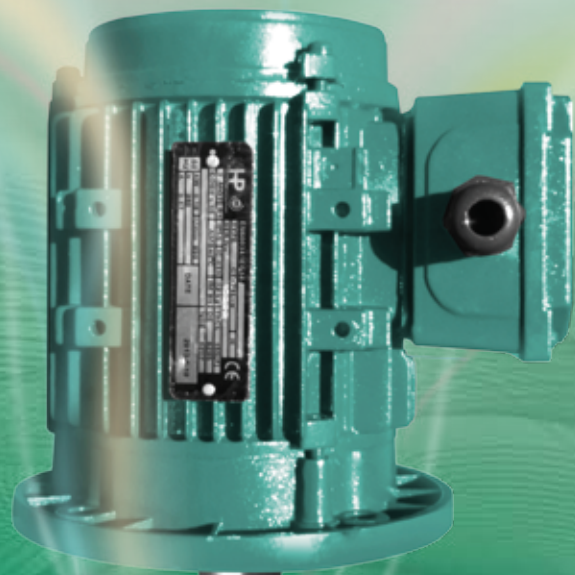
50 ~ 100Hz: constant power output



3 PHASE MOTOR FOR COOLING TOWER CT-SERIES

- Designed for operation in 100% humidity and the most corrosive environments
- Designed for operate in shaft down position
- Designed for high protection from water leaking
- No need additional gear operated
- Low maintenance

Motor Colors Tone

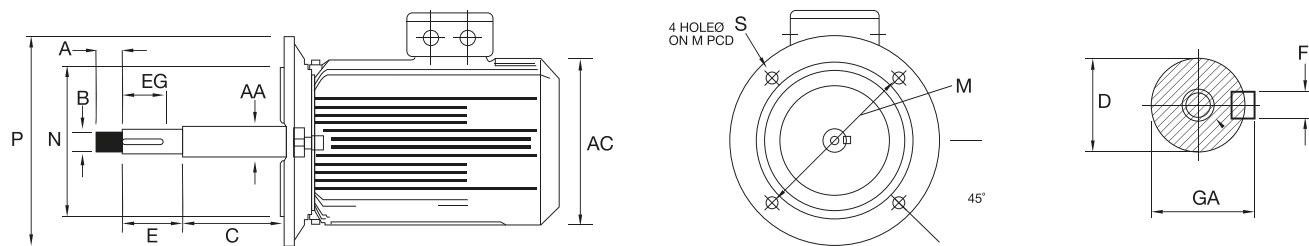


CT series is derived from three-phase asynchronous motors with having extra longer shaft and no rear fan. They have varieties of output power and output speed in order to cover different cooling tower size. The body is designed to work under high humidity condition and corrosive environment as well as water leakage protection. The body surface treatment is covered with special thick anti-rust paint layer for rust proof from moisture and with double rubber seal prevention for vapor leakage innards.

Standard Features

- Three-phase, 6, 8, 10, 12, 16 and 18 pole, 50Hz or 60Hz
- Voltage: 220/380V for below 5.5HP and 380/660V for 5.5HP and Higher (for normal order)
- Totally Enclosed Fan Cooled-TEFC (IP55) water tight
- Externally Special Anti-Rusted Painted
- Double Sealed- 2RS Ball Bearings
- 1045 Carbon Steel Shaft
- Class F Insulation for all frames
- Continuous Duty (S1)





MODEL	POLE	KW	HP	TECHNICAL DATA				DIMENSION (mm)												BEARING	
				speed	current	torque	Eff	mounting				shaft									
				RPM	AMP	Nm	%	M	N	P	S	D	AA	E	A	C	F	GA	EG	DE	NDE
CT 71-6	6	0.18	0.25	890	0.87	1.93	56	130	110	160	10	19	25	35	15	70	5	21	25	6205-2RS	6204-2RS
CT 80MA-6	6	0.37	0.5	900	1.3	3.93	63	165	130	200	12	24	30	45	20	70	7	27	30	6206-2RS	6204-2RS
CT 80MB-6	6	0.55	0.75	910	1.8	5.84	66	165	130	200	12	24	30	45	20	72	7	27	30	6206-2RS	6204-2RS
CT 90SA-6	6	0.75	1	910	2.3	7.87	73	165	130	200	12	24	30	45	20	72	7	27	30	6206-2RS	6205-2RS
CT 90SB-6	6	1.1	1.5	910	3.2	11.54	74	165	130	200	12	24	30	60	20	72	7	27	30	6206-2RS	6205-2RS
CT 132MB-6	6	5.5	7.5	960	12.6	54.71	95	265	230	300	15	38	50	83	25	70	10	41.5	80	6210-2RS	6308-2RS
CT 100LB-8	8	1.1	1.5	700	3.3	15	74	215	180	250	14	28	35	60	25	75	7	31	45	6207-2RS	6206-2RS
CT 112M-8	8	1.5	2	700	4.3	20.46	76	215	180	250	14	28	35	60	25	75	7	31	45	6307-2RS	6306-2RS
CT 132S-8	8	2.2	3	710	5.8	29.59	81	265	230	300	15	32	40	60	25	110	10	37	45	6308-2RS	6308-2RS
CT 160LA-10												38	45	60	50	100	10	40	50	6309-2RS	6309-2RS
CT 160LA-10SQ	10	4	5.5	570	10.9	67	83	300	250	350	18	38	45	60	50	100	10	40	50	6309-2RS	6309-2RS
CT 160LA-10KS												38	45	102	50	128	10	42	90	6309-2RS	6309-2RS
CT 160LB-10												50	55	70	50	170	12	54	65	6311-2RS	6309-2RS
CT 160LB-10SQ	10	5.5	7.5	570	15.1	92.1	83	300	250	350	18	44.7	55	70	50	170	12	50	65	6311-2RS	6309-2RS
CT 160LB-10KS												50	55	115	50	170	12	54	105	6311-2RS	6309-2RS
CT 180L-12												50	55	70	50	170	12	54	65	6311-2RS	6311-2RS
CT 180L-12SQ	12	7.5	10	450	21.8	147.1	84	300	250	350	18	44.7	55	70	50	170	12	50	65	6311-2RS	6311-2RS
CT 180L-12KS												50	55	115	50	170	12	54	65	6311-2RS	6311-2RS
CT 225S-18	18	11	15	322	34	445.11	87	400	350	450	19	55	65	115	85	240	15	65	92	6313-2RS	6313-2RS

	71-6	80MA-6	80MB-6	90SA-6	90SB-6	132MB-6	100LB-8	112M-8	132S-8	160LA-10	160LB-10	180L-12	225S-18
WEIGHT (KG)	7.5	16.5	18	25	26	85	37	48	65	148	155	188	299
NUT SIZE, B	M12	M16	M16	M16	M16	M30	M24	M24	M24	M30	M36	M36	M48
Cable Gland Size	M20*1.5	M20*1.5	M20*1.5	M20*1.5	M20*1.5	2-M25*1.5	M20*1.5	2-M25*1.5	2-M25*1.5	2-M40*1.5	2-M40*1.5	2-M40*1.5	2-M50*1.5

SAC series air compressor induction motor

Brief Introduction

SAC series air compressor induction motors are developed based on air compressor characteristics. This series of motors has remarkable features such as compact construction, lightweight, safe and reliable operation, long life performance and easy maintenance. This series of motors can be stable for long-term continuous compression work to meet the requirements of the compressor.

Construction features

the degree of protection: IP55 or IP23

the cooling form: IC01 or IC411

frame size: 80mm to 355mm

rated power: 0.55kW-355kW

insulation class: F

service factor: SF = 1.15 and SF1.2

stator winding: being wound with polyester enamel round wire of high strength and then treated with the process of vacuum-pressure impregnation (VPI) to make them become a solid integral.

stator and rotor material: laminated with high class electrical steel sheet with high permeability and low loss.

bearing: using low vibration and low noise special to fit with motor

SAC :IP55 or IP23

SCAC :compact design

SEAC :high efficiency

SHAC :high-voltage



Product range



Standard Low Voltage Motor
Frame Size: 80-560
Power: 0.55-1600kw
Poles: 2,4, 6, 8P
Voltage: 380/660V, 400/690V
Frequency: 50Hz, 60 Hz



Low Voltage Explosion-proof Motor
Frame Size: 80-355
Power: 0.55-3550kw
Poles: 2,4, 6, 8, 10P
Voltage: 380/660V, 660/1140V
Frequency: 50Hz, 60 Hz



Air Compressor Motor
Frame Size: 160-450
Power: 15-500kw
Poles: 2,4P
Voltage: 380/660V, 6kv, 10kv
Frequency: 50Hz, 60 Hz



High Voltage Explosion-proof Motor
Frame Size: 355-560
Power: 180-240kw
Poles: 2,4, 6, 8P
Voltage: 6kv, 10kv
Frequency: 50Hz, 60 Hz



Standard High Voltage Motor
Frame Size: 355-1000
Power: 315-4500kw
Poles: 2,4, 6, 8P
Voltage: 6kv, 10kv
Frequency: 50Hz, 60 Hz



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